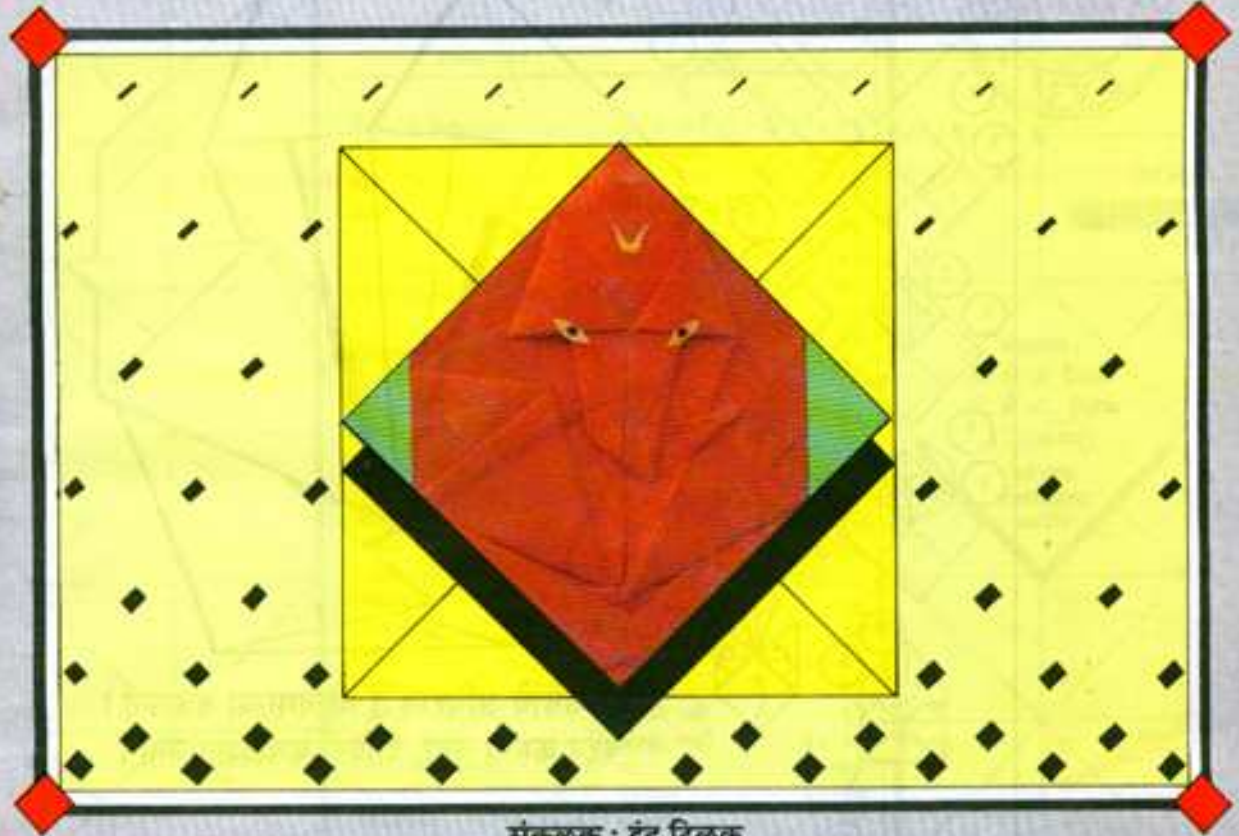


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3



संकलक : इंदु टिलक



ओरिगामी

三

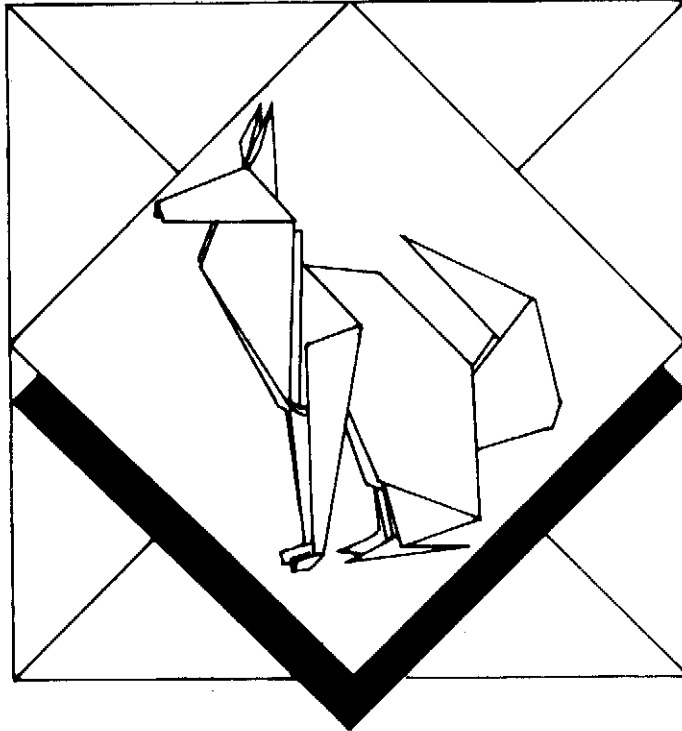
टिळक बंधू प्रकाशन,
५६८ नारायण पेठ, पुणे ३०

Publishers : Tilak Brothers, 568 Narayan Peth, Pune-411 030.

राष्ट्रीय शैक्षणिक धोरणानुसार
महाराष्ट्र शासनाने मंजूर केलेल्या
इयत्ता पाचवीच्या अभ्यासक्रमानुसार
योजलेले पाठ्यपुस्तक

ओरिगामी या जपानी कलेचा भारतीयांना
परिचय करून देण्यासाठी हे संकलित
फोल्डर मी तयार करित आहे. ही कला
आता संपूर्ण जगात लोकप्रिय होत आहे.
भारतीयांनी या कलेचा आनंद उपभोगावा
हा मनातील हेतू आहे. कागदाचे तुकडे
जवळ बाळगून सराव करित राहणे ही
कला आत्मसात करण्याची गुरुकिल्ली
आहे. नव्या नव्या कलाकृति तयार करून
आपण या कलेत भर घालू या!

- इंदु टिळक

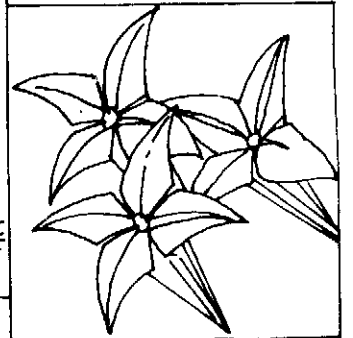
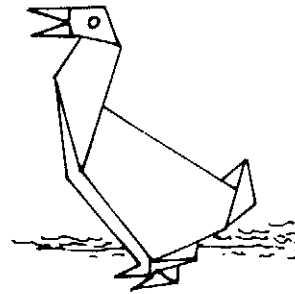
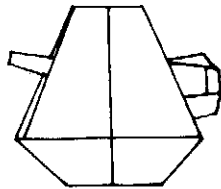
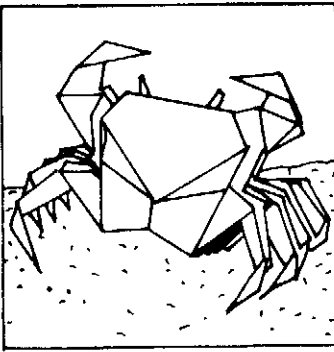


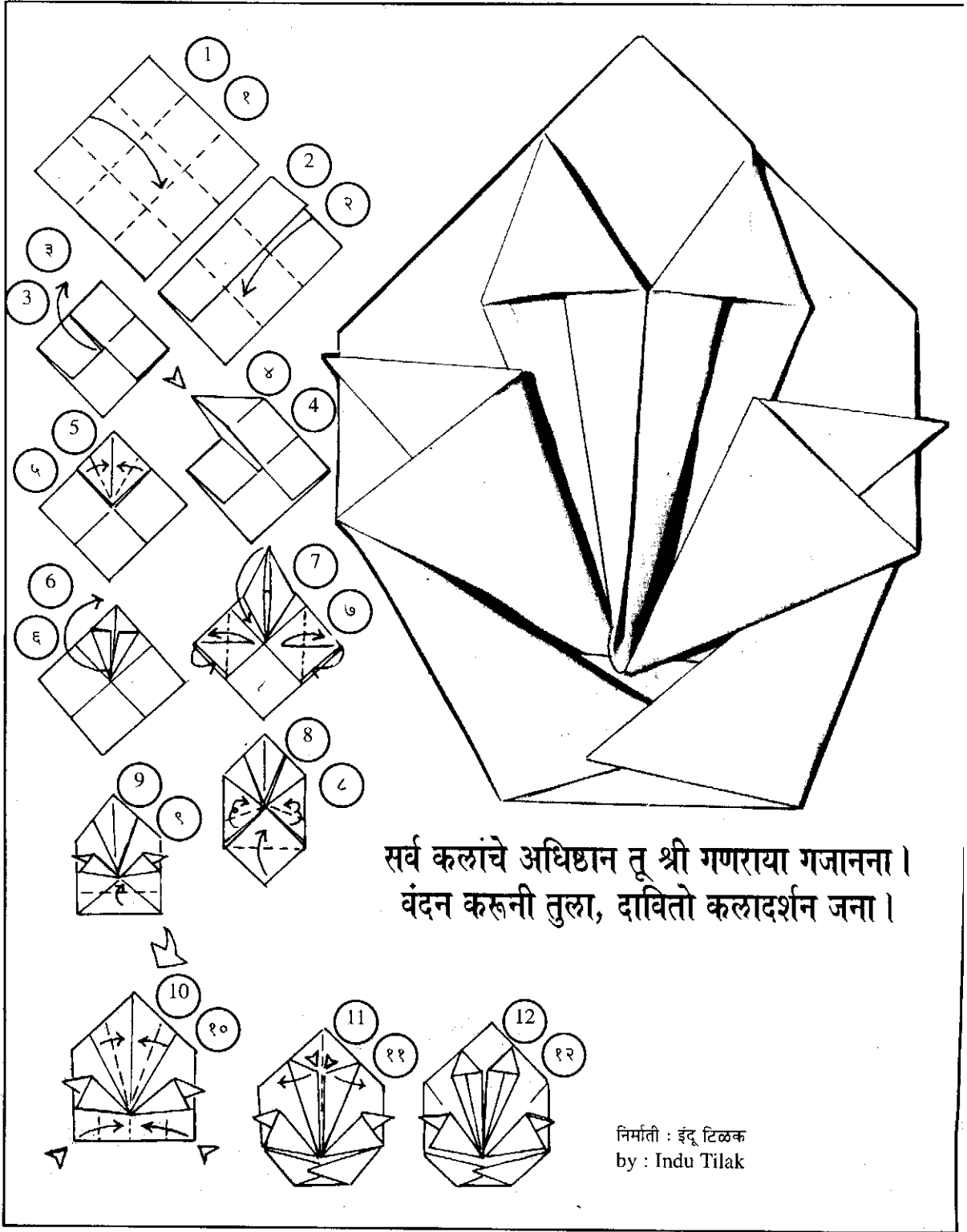
Recognised by Government
of Maharashtra as Per
Notional Educational Policy
as a Text book for St. V

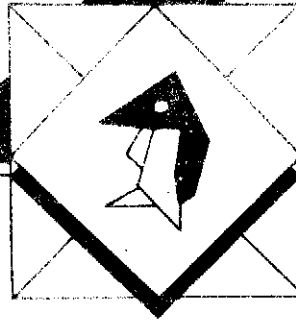
The aim of this folder is to
introduce 'ORIGAMI' Art to
you. Origami is becoming
popular all over the world.
Always keep a piece of paper
with you and try out different
folds. Try this paper folding art
and develop a fascinating
hobby to derive pleasure and
fun for years.

-Indu Tilak

क्रमांक : उपकु/१०८७/३०२६७/४/स







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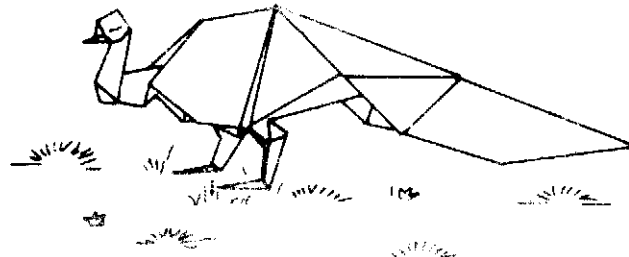
अनुक्रम

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प्रकाशक :
डॉ. दी. ज. टिळक
जी. श्री. श्री. टिळक
(टिळक बंधू)

सर्व हक्क
प्रकाशकाना
स्वाधीन

मुद्रक : केसरी मुद्रणालय
५६८, नारायण पेठ,
पुणे ४११ ०३०



किंमत २० रुपये

पुस्तक व प्रकाशक
कायदा १९६२ च्या अन्वये

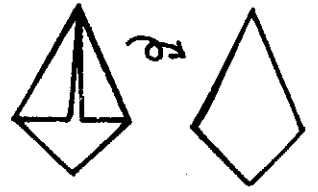
Signs & Symbols

चुणा व चिन्ह

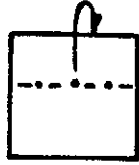
--- VALLEY FOLD
वैली फोल्ड



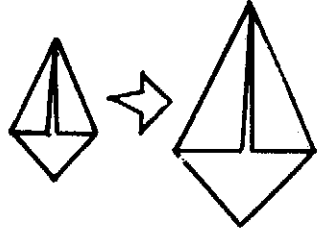
TURN OVER
उलटे करा



----- MOUNTAIN FOLD
माउंटन फोल्ड



Enlarge
मोठी आकृति



— CREASE
क्रिज



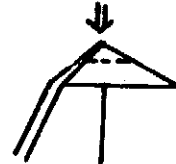
OPEN OUT
उलगाडा



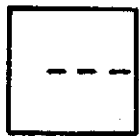
↪ INSIDE VIEW
आंतील घडी



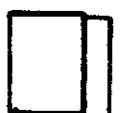
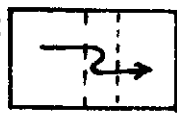
PUSH IN, SQUASH,
दाबा SINK



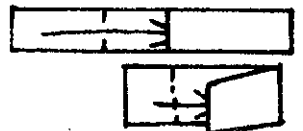
✂ CUT
कापा



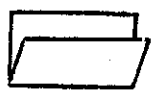
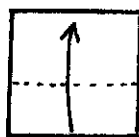
↪ FOLD OVER & OVER
परत परत घडी घाला



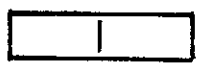
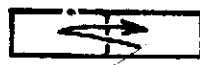
FOLD UNDER
आंत घडी घाला



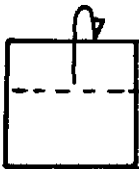
↪ FOLD IN FRONT
पुढे घडी घाला



FOLD & UNFOLD TO CREASE
घडी घाला व उलगाडा



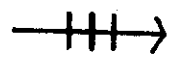
↪ FOLD BEHIND
मागे घडी घाला



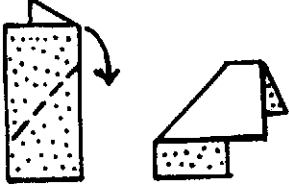
HOLD HERE
धरा



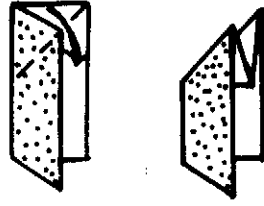
FOLD 3 TIMES
तिनदा घडी घाला



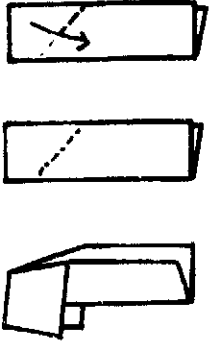
बंद बाजूची घडी हुड फोल्ड,
Outside reverse fold
or Hood fold



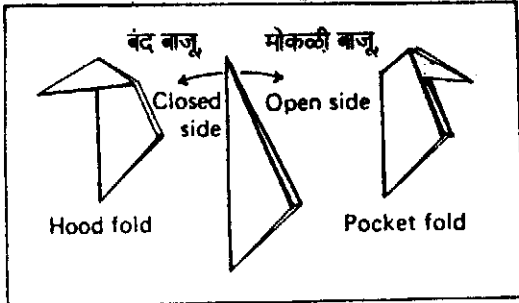
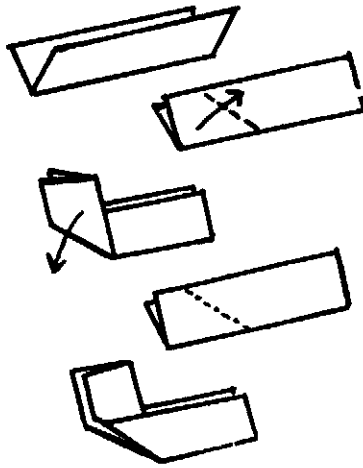
मोकळ्या बाजूची घडी, पॉकेट फोल्ड,
Inside reverse fold
or pocket fold



बंद बाजूची घडी,
हुड फोल्ड किंवा आउटसाइड
रिव्हर्स फोल्ड

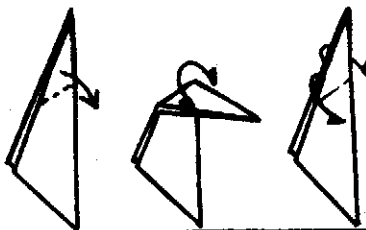


मोकळ्या बाजूची घडी, आतील बाजूने
केलेली घडी किंवा पॉकेट फोल्ड

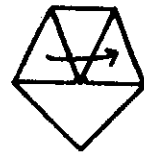


Pull out
बाहेर ओढा

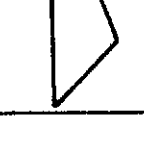
सफाईदार घडी घाला बाहेर दुमडा
Crese well, Fold outward



रिव्हर्स फोल्ड
Reverse Folds



Pull out
बाहेर ओढा



Head - If the closed side is
up the effect is good.



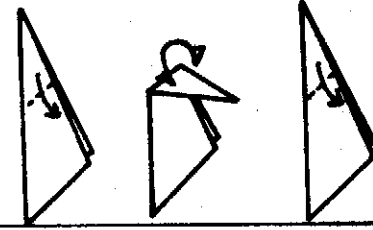
पायासाठी घडी

Foot Stability is poor if the
closed edge of the fold is
down ward.

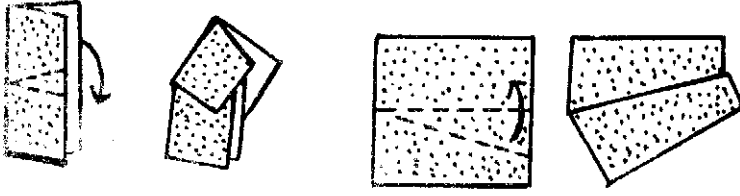


पायासाठी बंद बाजूला घडी घेतली तर सगळी
टोक येते. हीच घडी जर प्रथम मोकळ्या बाजूला
घेऊन नंतर घडी घालून मागे घेतली तर पायाला
स्थिरता येण्यास घडीचा उपयोग होतो व
कलाकृती उभी राहू शकते. शिवाय पायाला योग्य
असा आकार येतो.

सफाईदार घडी घाला आत दुमडा
Crese well, Fold inward.



Symbols and Folding Techniques



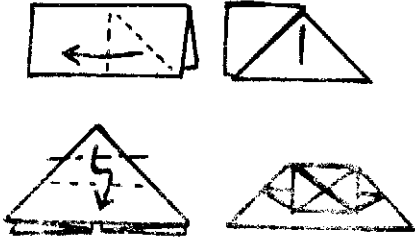
Swivel

This is similar to a pleat, but instead of making a parallel fold, the second fold meets the first at the edge of the paper and then goes off at an angle.



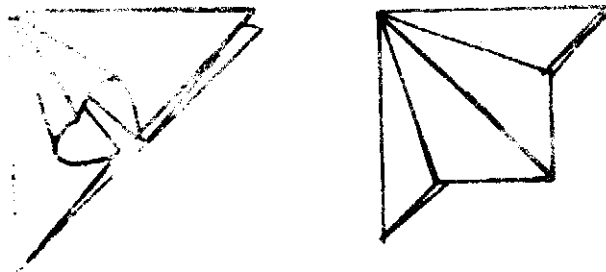
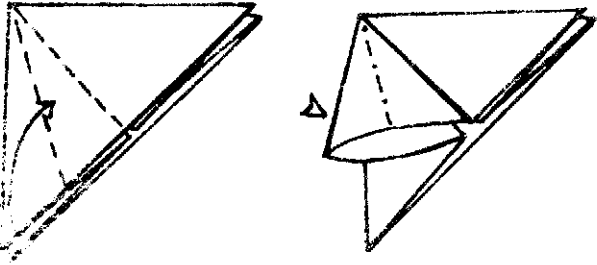
क्रिप

क्रिप ही एकावर एक येणारी घडी आहे. फरक एवढाच की घातलेल्या दोन्ही घड्यांची टोके बाजूला एकत्र मिळतात.



स्कीश

स्कीश ही अत्यंत महत्वाची घडी असून ती सरावाने घालता येते. प्रथम घडी घालून खुणा घेऊन नंतर खुणांच्या आधाराने घडी उचलून दाबावी. दाबलेल्या बाजूच्या मध्ये फट राहू नये.



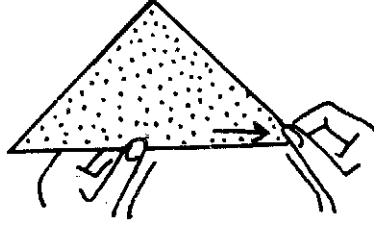
Squash Fold

Start with a Water Bomb Base

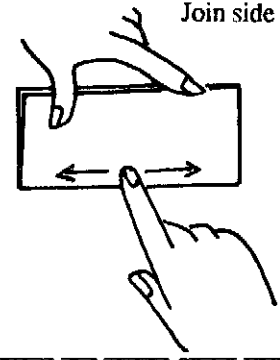
1. Make the Valley Fold indicated at the base of the flap.
2. Hold the flap upright, and squash it.
3. Squashing half done.
4. Squash Fold completed, with centre crease exactly in line.



टोकाला टोक जुळवून तिरपा मध्य काढा.



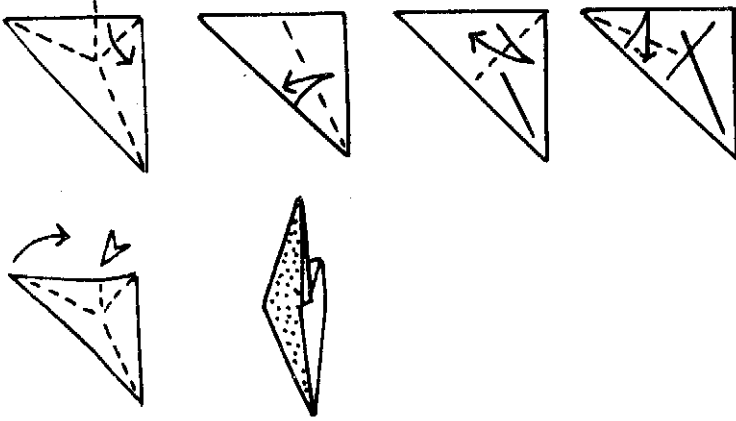
घडी सफाईदार करा.



बाजूला बाजू जुळवून आडवा मध्य काढा.

बोटाने घडी सफाईदार करा.

A Rabbit's Ear procedure can be applied to any flap of paper.



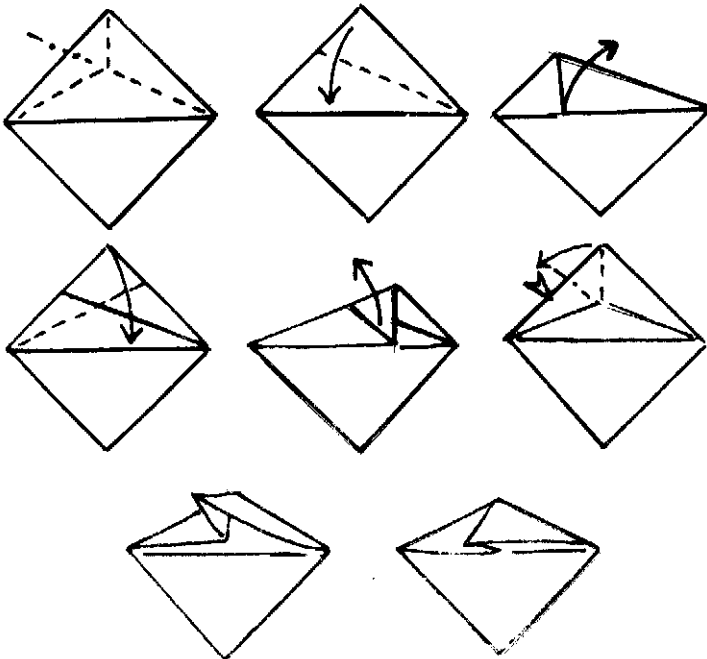
रॉबिट इअर

१) मध्य काढा २) बाजू मध्यापर्यंत दुमडून खूण घ्या ३) दुसरी बाजू मध्यापर्यंत दुमडा ४-५) टोकाची घडी घालत दोन्ही बाजू खुणांच्या वर दुमडत जा ६) टोक बाजूला दुमडा. दोन्ही बाजूंच्या मध्ये फट नको.

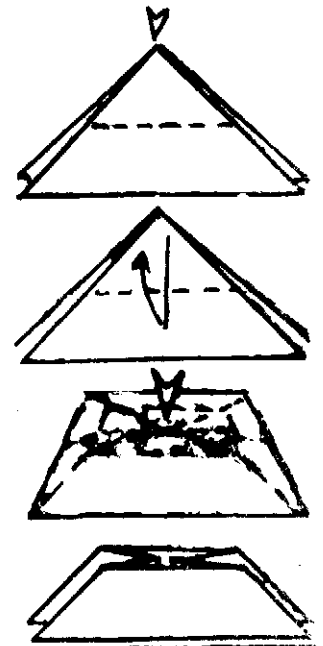
1. The standard markings for a Rabbit's Ear.
2. Valley Fold.
3. Valley Fold made; unfold.
4. Valley Fold again.
5. Valley Fold made; unfold
6. Fold the flap into the crease made, and fold the point over to the left.
7. Half done.
8. Rabbit's Ear completed.

सिंक

१) वॉटर बॉम्बी घडी घाला २) घडी दुमडून खूण घ्या ३) घडी उलगाडून मधला भाग आत-दाबत आकृति पाहून त्याप्रमाणे घडी घ्या. चारी बाजूंच्या आत घड्या घालत गेल्यास घडी जमते.



A method of pushing in a point or edge between four layers of paper. The first diagram (1) shows the instruction, when this fold is used in the creation of a particular model. This starting point is a waterbomb base. see page 22. (2) First mark the fold line by a simple valley fold and return (3) Open up the paper and flatten the point. Make the square of crease lines into mountain folds and squeezing adjacent mountain folds together, push the centre point down. The final diagram (4) shows the completed sink.



इनसर्ट

टोक न दुमडता घातलेल्या घडीच्या आत सरकवून देता येते. यामुळे ते वर दिसत नाही. प्रथम घडी घालून उलटगडून खूण घ्यावी व त्या खुणेवर घड्या वर उचलून टोक आत घालावे. यामुळे घडीला नवीन रूप येते.

कलिंग

पाकळ्या वळवताना याचा उपयोग होतो. मिश्या, शोपूट यांना थोडे वळण दिले तर कलाकृति अधिक चांगली दिसते.

पुलिंग

एकाकडे एक घड्या घालून बंद बाजूने त्या जर थोड्या ओढल्या तर घडीला बाकदारपणा येतो. याचा उपयोग प्रामुख्याने झिंगा बनवताना होतो.

शिडीची घडी

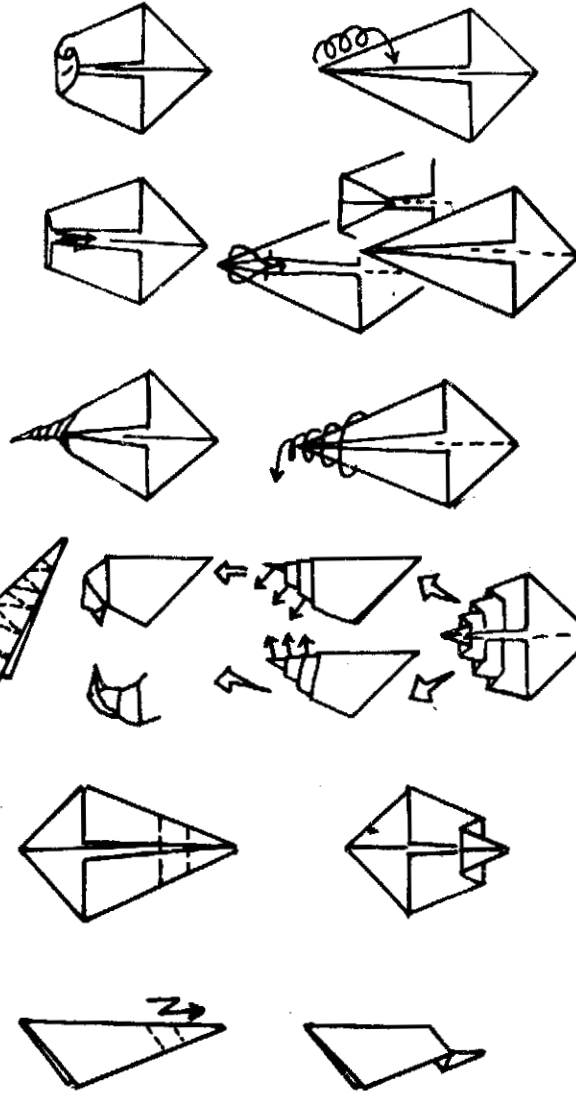
१) टोक प्रथम तुटक रेषेवर आत दुमडा.
२) पुन्हा बाहेर दुमडा. या घडीचा उपयोग नको असलेला भाग आत घालण्यास होतो.

रेबिट इअर

१) मध्य काढा २) बाजू मध्यापर्यंत दुमडून खूण घ्या ३) दुसरी बाजू मध्यापर्यंत दुमडा ४-५) टोकाची घडी घालत दोन्ही बाजू खुणांच्या वर दुमडत जा ६) टोक बाजूला दुमडा. दोन्ही बाजूंच्या मध्ये फट नको.

पिंच फोल्ड

पिंच म्हणजे चिमटा केणे. यासाठी प्रथम तुटक रेषांवर घड्या घालून खुणा घ्याव्या, नंतर टोक चिमटावे व पुढील खुणांवर आत घालत दाबावे. ही घडी करून पाहाण्यानेच येत जाते. खूप सरावाने ती सहज बसते.



Inserting : Hold and return to original position. Then insert inside.

Curling : As a finishing touch for flower petals, animal tails, or moustaches, curling is most effective.

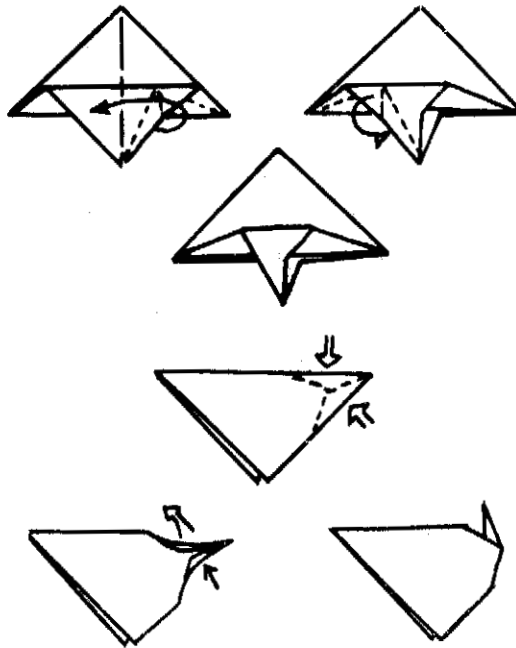
Pull Fold : This fold, used to make the tip part of an angle slender, is often found in tails of origami animals or in the heads of origami human figures. In some cases, the paper is pulled forward as in A and B in others the paper is tucked inward. In either case, the fold is easier to make if proper creases are made beforehand.

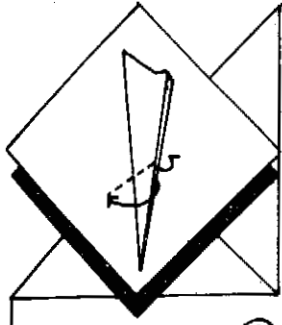
Pulling : Interesting effects result from pulling series of stairstep folds. A series of pocket folds produces a curved form

Stairstep Fold : As the name indicates, the step fold is made by combining a valley and a peak fold to form a kind of pleat.

Pinch Fold : Like the pull fold, the pinch fold is used to narrow of a corner, though in the latter there is no pleat or step as there is in the former. The fold is complete at step 2; depending on the nature of the paper, this fold can produce great stability.

The narrow tip can, however, be folded further to produce the shape in step 3.

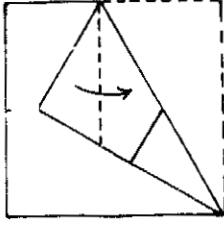




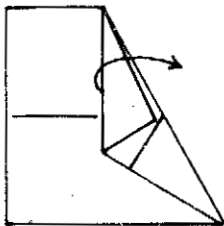
मूलभूत घड्या Basic folds

To divide the Paper in three equal parts.
कागदाचे तीन सारखे भाग करणे.

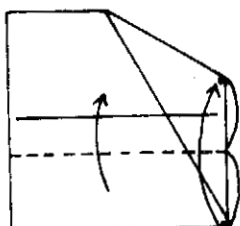
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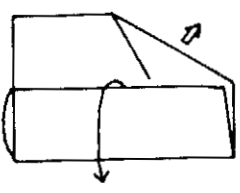
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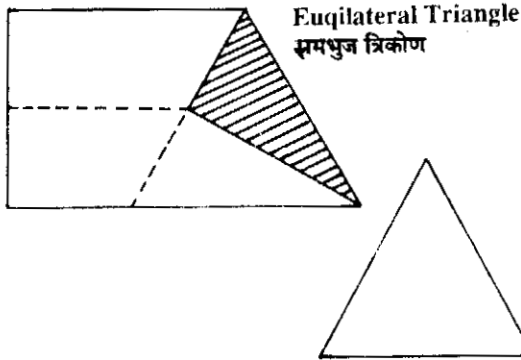
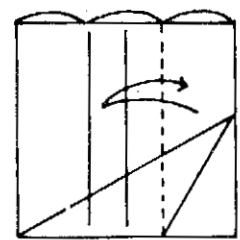
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④

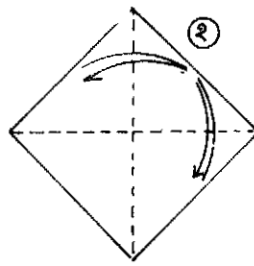


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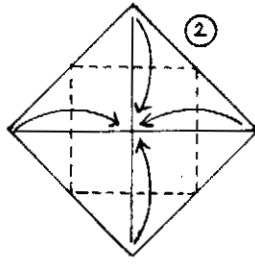


Euqilateral Triangle समभुज त्रिकोण

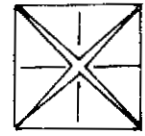
(Blits Base :



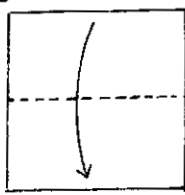
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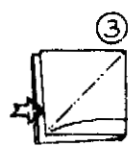
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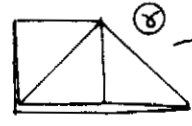
फुग्याची घडी Water bomb base



①



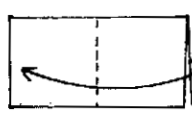
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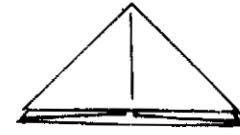
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④



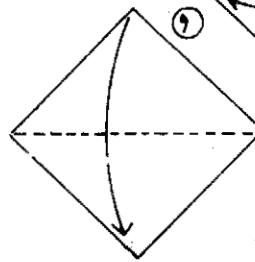
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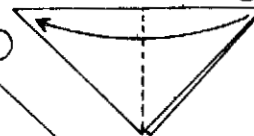
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रुमाली घडी

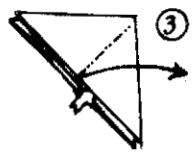
Square base, Priliminary base



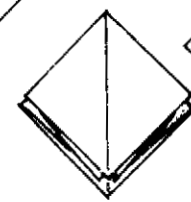
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②



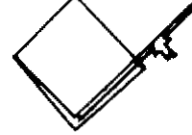
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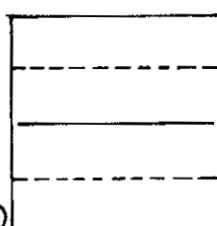


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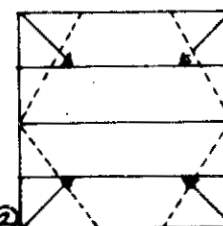


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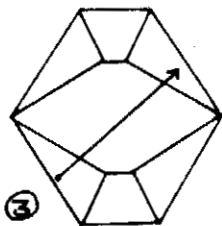
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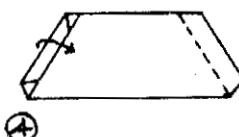
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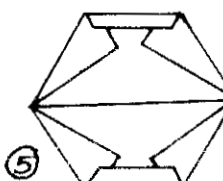
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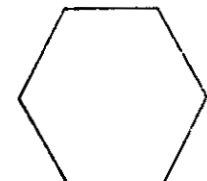
षटकोन : Hexagon



④

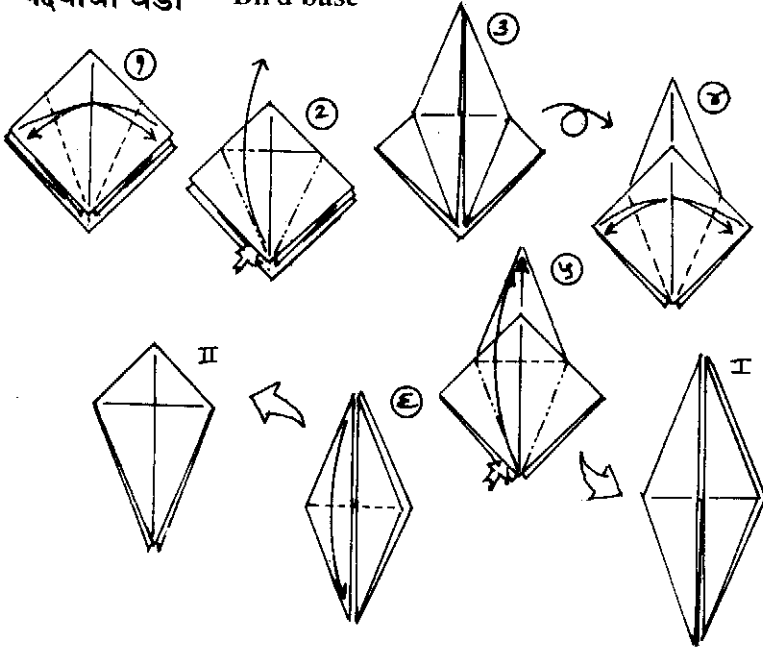


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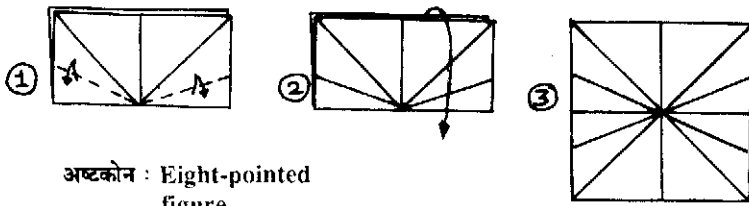
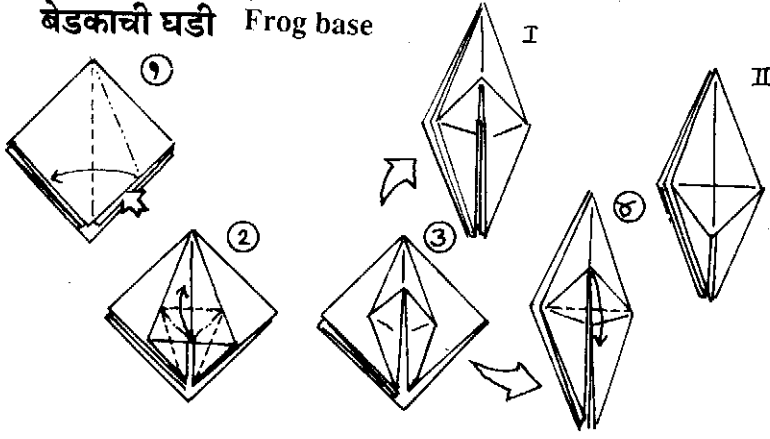


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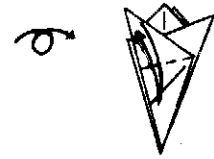
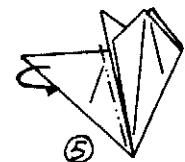
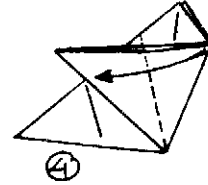
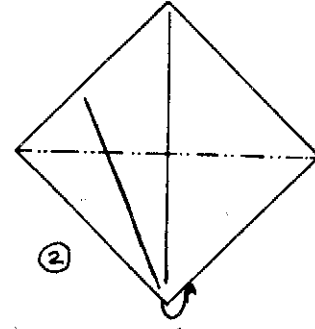
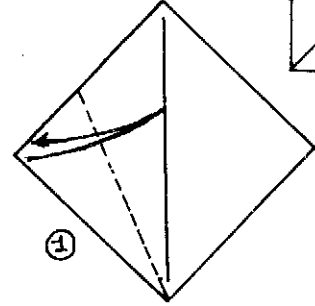
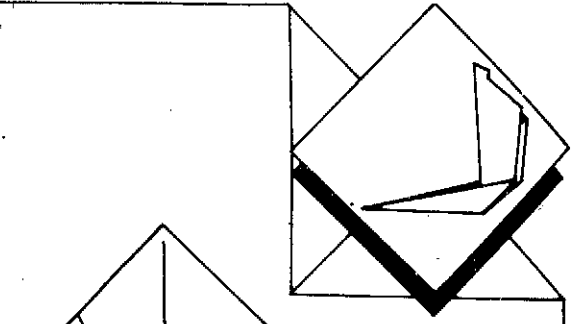
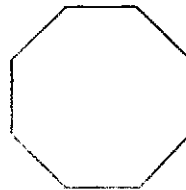
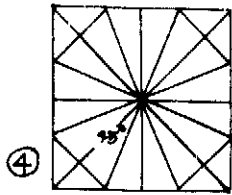
पक्ष्याची घडी Bird base



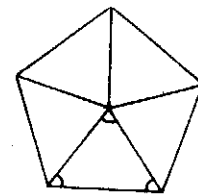
बेडकाची घडी Frog base

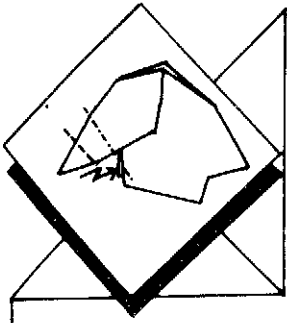


अष्टकोन : Eight-pointed figure

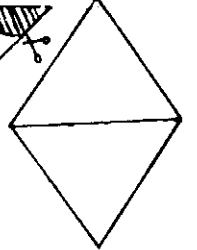
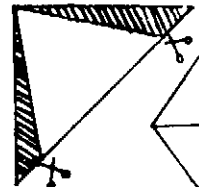
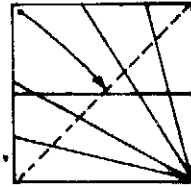
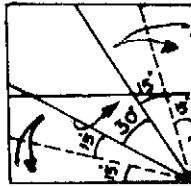
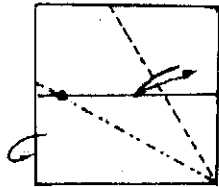
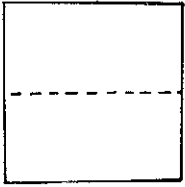
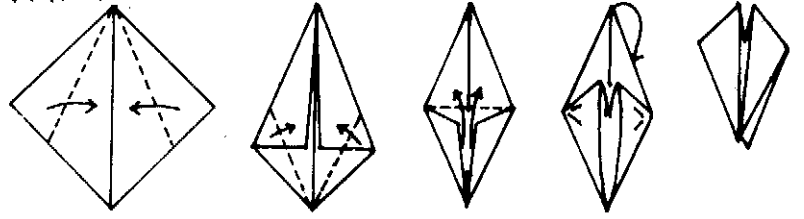


पंचकोन : Pentagon



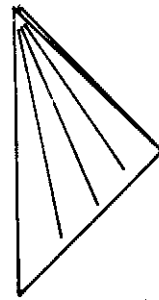
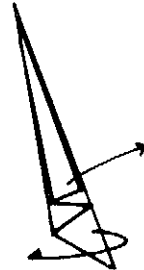
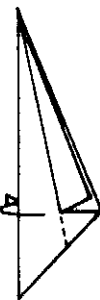
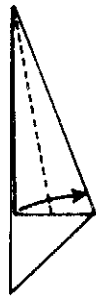
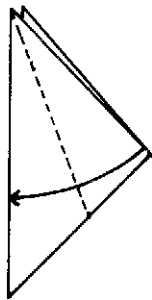
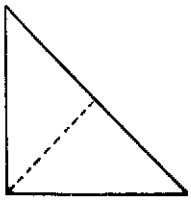


फिश बेस Fish base

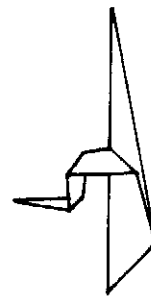
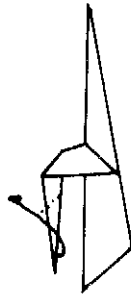
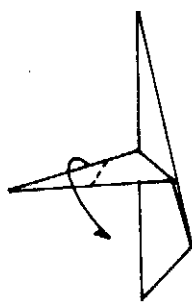
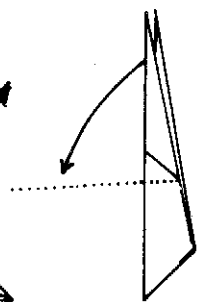
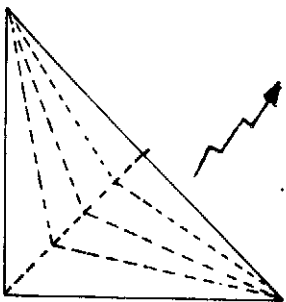


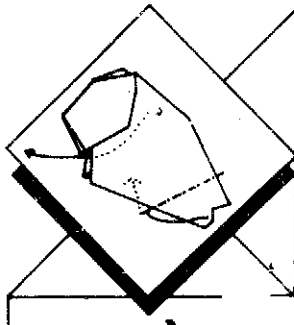
चौकोनी कागदातून ऱ्हॉबस तयार करणे.

To cut rombic Paper out of square.

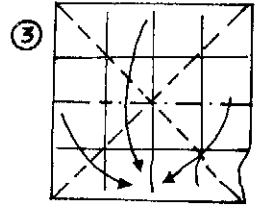
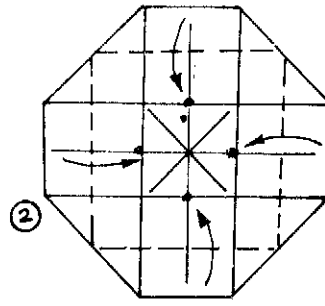
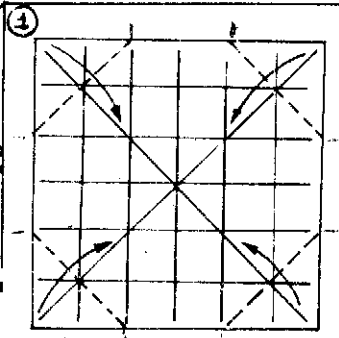


त्रिकोनी कागदाची फांदी.
Branch out of right-angle tringel.





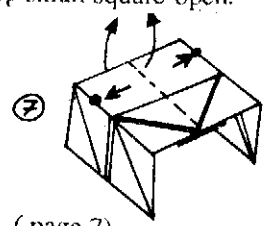
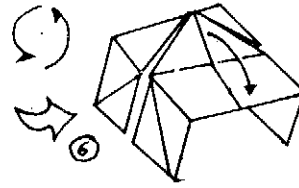
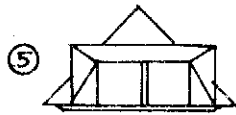
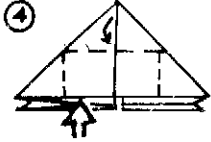
कप्पे Divider



- १) कागदाचे सारखे तीन भाग करून त्या तीन भागांचे पुन्हा घड्या घालून मध्य काढा. आकृतीत दाखविल्याप्रमाणे कोपरे दुमडावे. २) तुटक रेषांवर चारी बाजू दुमडाव्या. ३) तयार घडीची फुग्याची घडी घालावी.

- 1) Divide paper into three equal parts
2) Again mark the centres of all parts.
Fold corners as shown.

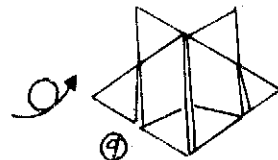
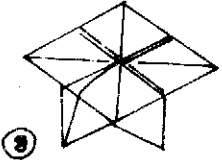
- 3) Fold sides as shown. Keep small square open.



- ४) वरचे टाके खाली घेऊन घडीचा मध्य काढावा.

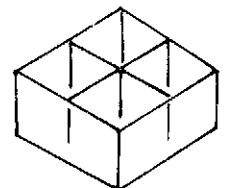
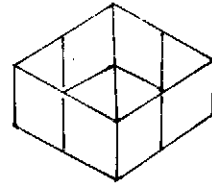
- ५) बाणाने दाखविल्याप्रमाणे बाजू वर उचलावी. एक पुढून व एक मागून दोन्ही बाजूंना बाकाप्रमाणे बाजू उभ्या राहातील. ६) वरील टोक एका बाजूस दुमडावे.

- ७) आकृतीत दाखविल्याप्रमाणे मध्यापासून दोन्ही बाजू जुळवाव्या.



- 3) Fold model in water bomb. (page 7)

- 4) Fold upper end down and mark the centre.
Fold left and right ends to mark the centres.



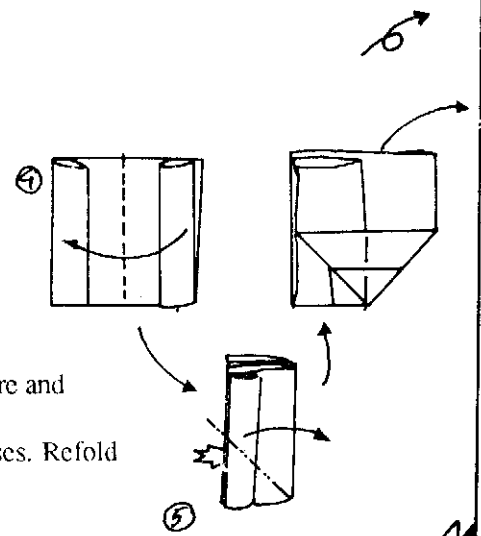
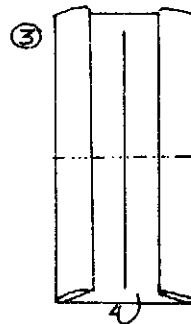
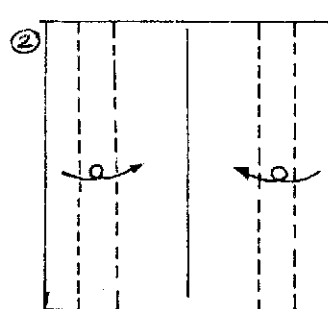
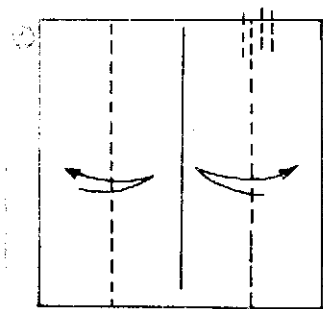
- ८) आकृतीत दिसत असल्याप्रमाणे टेबलासारखी घडी तयार होईल. खाली चार दिशेला चार घड्या तयार होतील.

- ९) वरील घडी उलटी करून तयार बॉक्समध्ये बसवावी.

- 5) Lift up the central part up as a door or bench from both the sides. Fold top flap on the side.

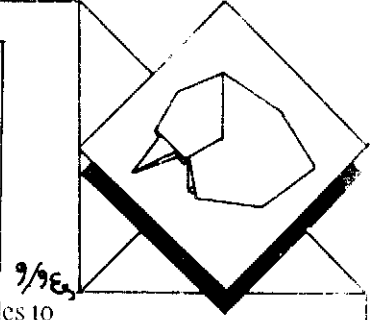
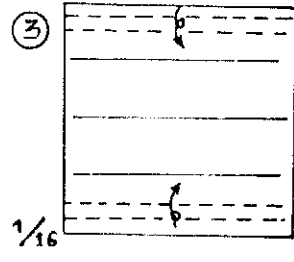
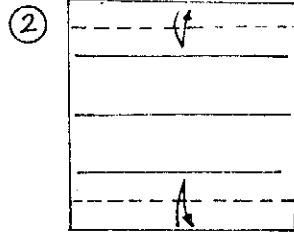
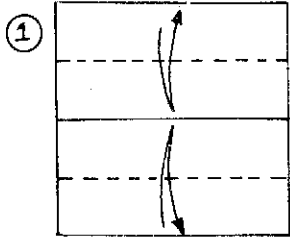
- 6) Fold side to side and divider will be ready.

बॉक्स - २



- १) बाजू मध्यापर्यंत दुमडून खुणा घ्या.
- २) दोन्ही बाजू खुणेपर्यंत दुमडून तयार घडी पुन्हा दुमडा.
- ३) मागील बाजूने मध्यावर घडी घाला.
- ४) घडीची उभ्या मध्यावर घडी घाला.
- ५) घडी उलगाडून कोपरा दाबा.

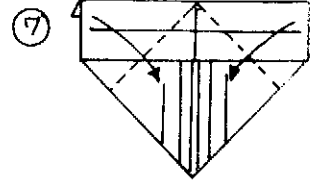
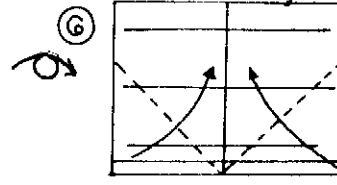
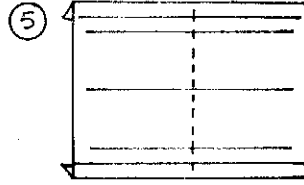
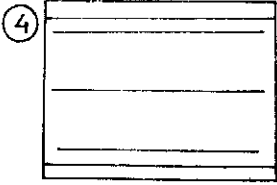
- 1) Fold and unfold sides to the centre and mark the creases
- 2) Fold opposite edges to the creases. Refold the same.
- 3) Fold at centre to the back side.
- 4) Fold at vertical centre.
- 5) Open out the fold and sqash. Turn the model.



- १) बाजूला बाजू मिळवून प्रथम मध्य काढावा. दोन्ही बाजू मध्यापर्यंत दुमडून पुन्हा उलगडाव्या. खुणा मिळतील.
२) वरील घडीमुळे मिळालेल्या खुणेचा उपयोग करून बाजू पुन्हा दुमडाव्या व उलगडाव्या.

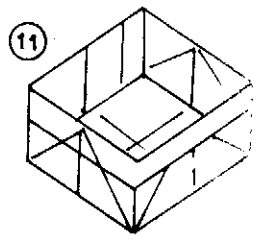
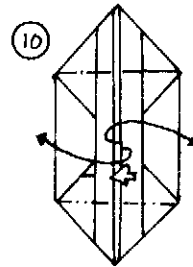
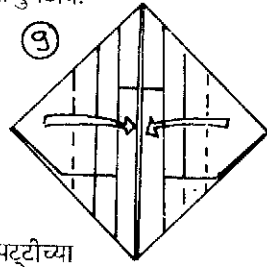
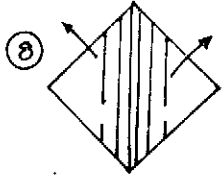
- 1) Mark the centre. Fold and unfold sides to the centre mark centres.
2) Fold and unfold sides and mark centres
3) Repeat again and fold 1/16 th part.

**बॉक्स
Box**



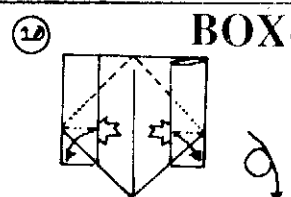
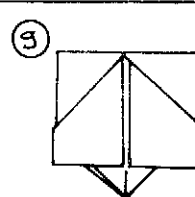
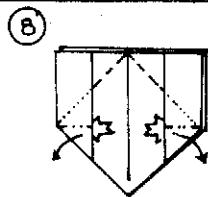
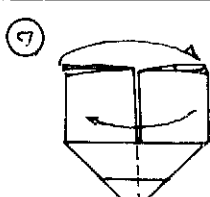
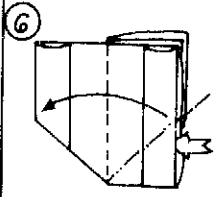
- ३) वरील खुणांचा उपयोग करून बाजू पुन्हा दुमडाव्या.
४) दोन्ही बाजूंना १/१६ रुंदीची पट्टी तयार होईल.
५) तयार घडी पालथी करावी.
६) घडीचा उभा मध्य काढून खालील दोन्ही कोपरे मध्यापर्यंत दुमडावे.
७) वरील दोन्ही कोपरे मध्यापर्यंत दुमडावे.

- 4) Turn the model.
5) Fold side to side and crease verticle centre.
6) Fold bottom corners to centre.
7) Fold top corners to centre. Unfold and push underneath the side fold.



- ८) वरील कोपरे पुन्हा उलगडून पट्टीच्या आत टोके सरकवून गुंतवावी.
१०) बाजूचे कोपरे पट्टीच्या आत गुंतवावे.
११) मधून खोलून बॉक्सला आकार द्यावा.

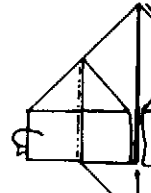
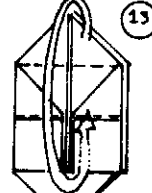
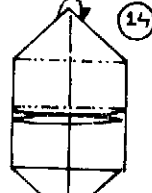
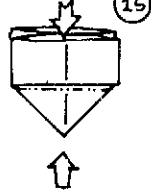
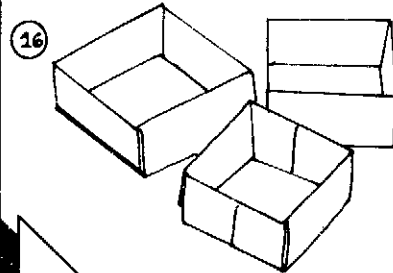
- 8) Fold left and right corners to the centre and tuck in.
Open out and shape.

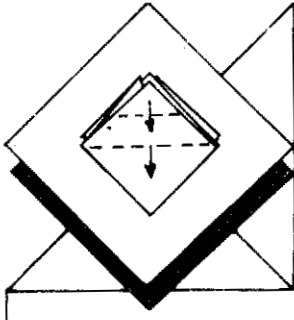


BOX- 2

- ६) घडी पालथी करून दुसरी बाजू उलगडून दाबा.
७) मागून पुढून बाजूला बाजू जुळवून बाजू बदला.
८-९) बाजूच्या पट्ट्या आतून मोकळ्या करून कोपरे दुमडा.
१०) हीच कृती मागील बाजूने.

- 6) Openout the fold and sqash.
7) Join side to side from front and back to change the sides. 8) Fold corners opening out the fold from inside. Repeat behind.





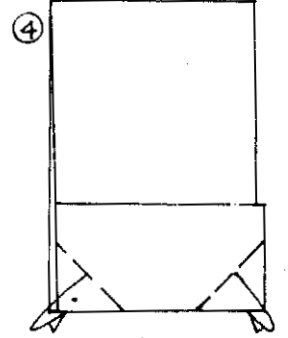
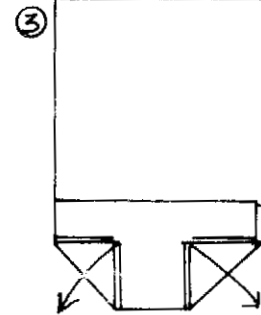
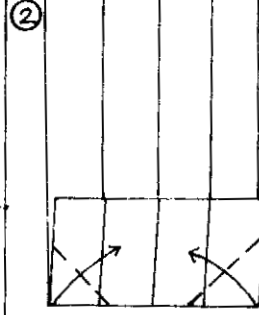
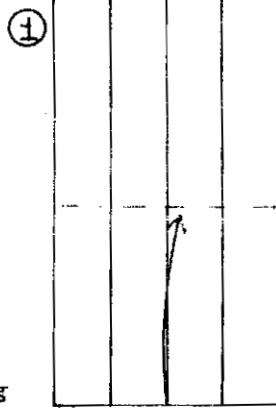
पत्र पेटी

Letter Jacket

कागद आकर्षक डिझाइनचा जाड

२ : १ रेक्टॅंगल

१) आकृतीत दाखविलेले आडवे उभे मध्य काढा.



२) खालील बाजू मध्यापर्यंत दुमडा.
2) Fold bottom side to centre.

४) इनसाइड रिव्हर्स फोल्डने कोपरे आत दुमडा.

4) Inside reverse fold corners.

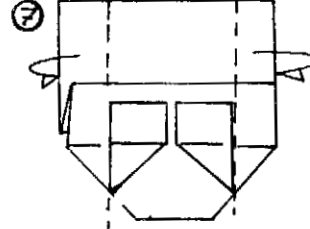
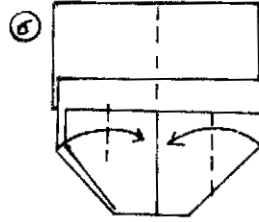
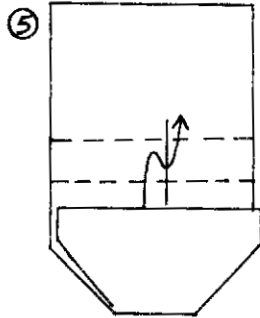
use thick ornament paper.

2 : 1 Rectangle.

1) Mark centers.

३) खालील कोपरे दुमडून उलगडा.

3) Fold and unfold corners.



६) पुढून आणि मागून बाजू मध्या- पर्यंत दुमडा.

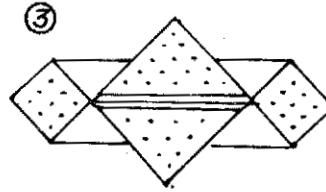
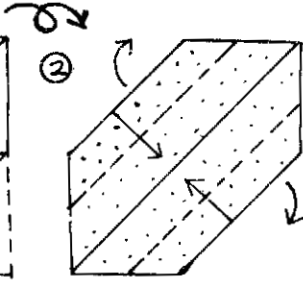
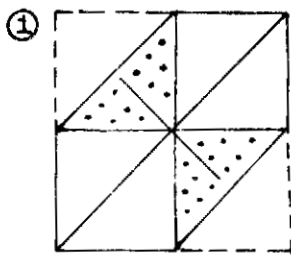
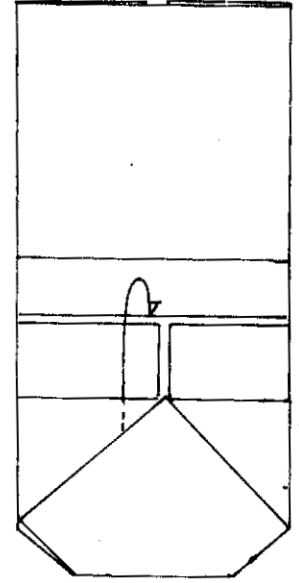
७) त्रिकोनाच्या वरील पट्टी आत दुमडून चिकटवा.

6) Fold sides to the centre, front and back.

7) Tuck in the pocket upper portion above the triangular folds.

५) मध्याच्यावर एक फ्लेट दुमडा.

5) Fold up a pocket from centre.

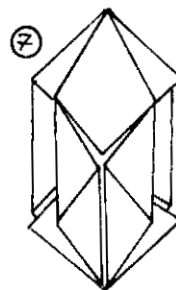
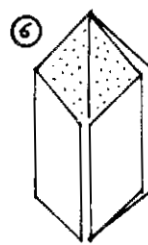
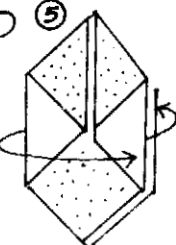
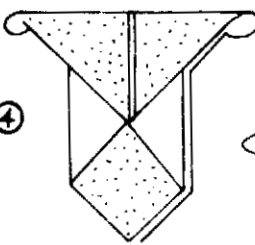


Use squares colourful paper 6x6 c.m. Mark the diagonal centre. Fold corners to the centre.

Turn the model. Fold sides to the centre.

Join bottom end and top end together from backside.

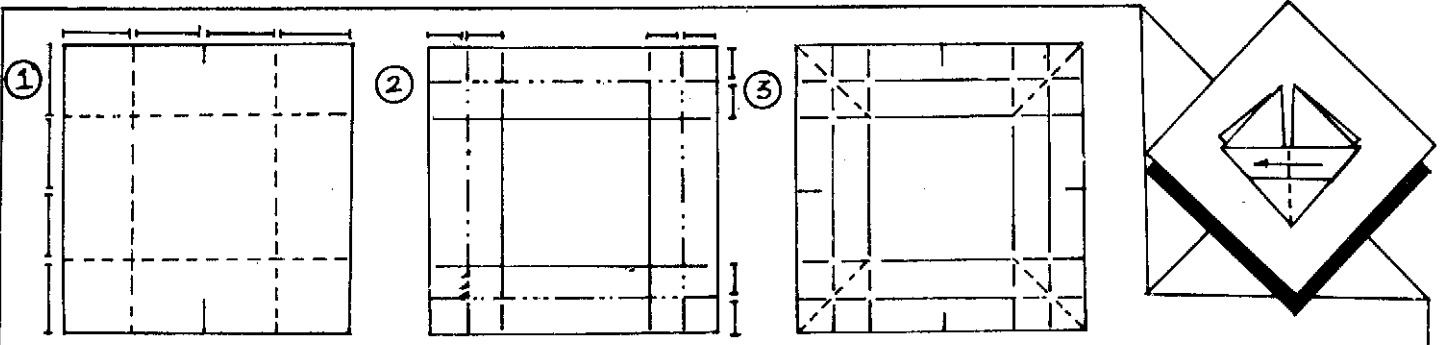
आकर्षक रंगाचा चौरस ६x६ सें. मी. तिरपा मध्य काढा. कोपरे मध्यापर्यंत घ्या. कलाकृती उलटी करा.



माल : Garland

बाजू मध्यापर्यंत घ्या. कोपरे आत दुमडा. दोन भाग करून एकात एक अडकवा व मणी तयार होईल.

Fold corners in. Make two units and insert one into another.

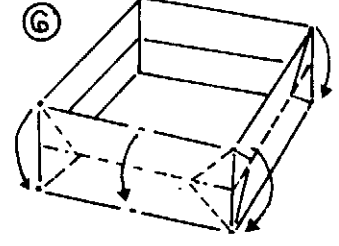
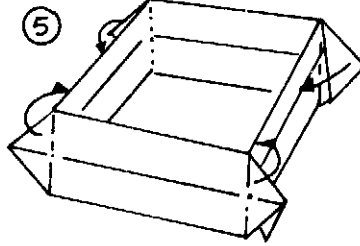
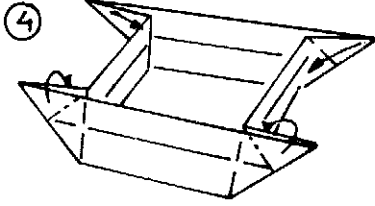


बॉक्स (झाकणाप्रमाणे वापरता येईल.)

- १) बाजू मध्यापर्यंत दुमडून तुटक रेषांच्या खुणा घ्या.
- २) बाजू मागील बाजूने तुटक रेषांपर्यंत दुमडून खुणा घ्या.

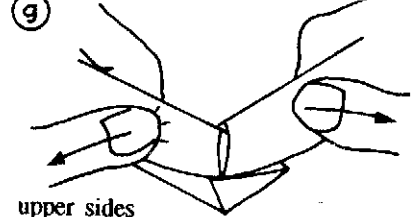
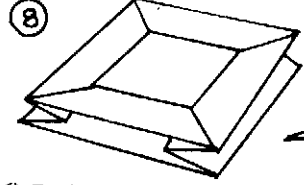
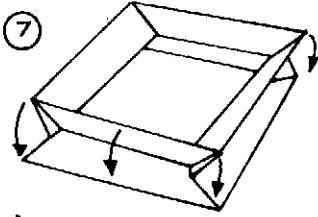
- 1) Fold sides to the centre and crease dotted lines.
- 2) Make mountain folds midway between the valley quarters and the edges.
- 3) Fold corners to mark diagonals at the corners.

Box (can be used as lid)



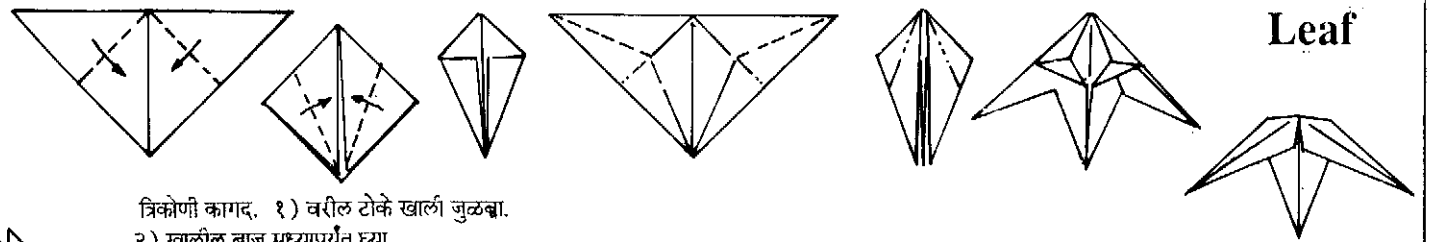
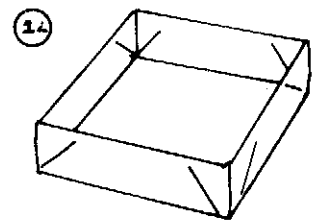
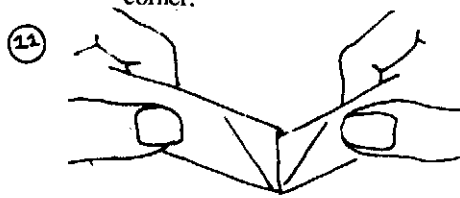
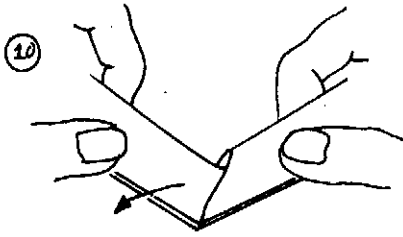
- ३) कोपरे दुमडून तिरप्या खुणा घ्या.
- ४) कोपरे चिमटून बाजू उभ्या करा.
- ५) कोपऱ्यांची टोके दुमडून घ्या.

- 4) Fold the triangular flaps two to the left and two to the right fold corners as shown.
- 5) Fold the triangles to the flat sides.



- ६) त्रिकोण बाजूवर दुमडा.
- ७) सावकाश मध्य आत घालत वरची बाजू खालच्या बाजूला जुळवा.
- ८) हलकेच कोपरे ओढा.

- 6) Push in the centre and collapse upper sides down.
- 7) Half collapsed shape.
- 8) Full collapsed.
- 9) Pull your hands gently apart and shape the corner.



**पान
Leaf**

त्रिकोणी कागद. १) वरील टोके खाली जुळवा.

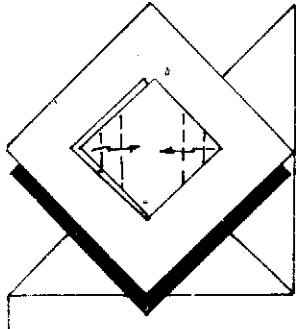
२) खालील बाजू मध्यापर्यंत घ्या.

३) तयार घडी

४) घडी उलगडा. बाजूला आत घाला. (बर्डबेस पाहा)

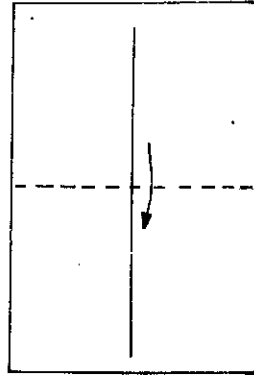
बाजूबाहेर घ्या, त्रिकोण स्क्वॅश करा, पानाला आकार द्या.

Use right angle triangle. Bring upper corners to bottom point. Fold and unfold sides. Openout, push in sides and shape leaf.



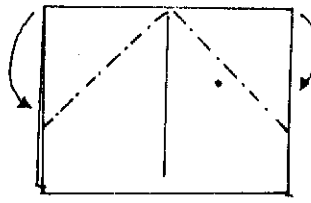
फोटोफ्रेम

Photo Frame

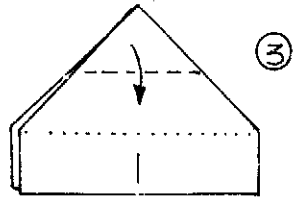


①

८x१२ सें.मि. च्या
फोटोसाठी योग्य
कागद- फुलस्क्रेप पेपर.



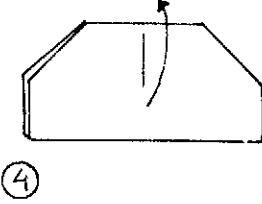
②



③

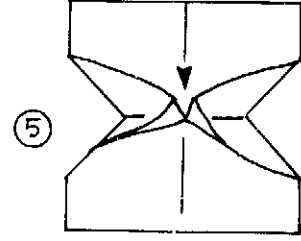
Use an A4 sheet of writing paper. For a photograph about 8 x 12 cm.

- 1) Fold the paper in half.
- 2) Inside reverse fold the two corners to the vertical line.
- 3) Fold the top point down to the line where the corners are concealed. Turn the model.

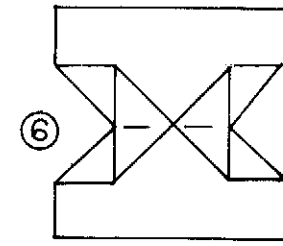


④

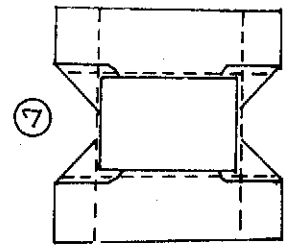
- १) मध्यभागी घडी घाला.
- २) मध्यरेषेपर्यंत कोपरे रिव्हर्स फोल्डने आत दुमडा.



⑤



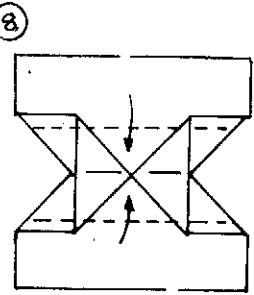
⑥



⑦

- ३) वरील टोके आतील कोपऱ्याच्या खुणेपर्यंत दुमडा. घडी उलटी फिरवा.
- ४) खालील बाजू वर उचला.
- ५) आतील कोपऱ्याच्या घड्या दाबा (स्कॅश फोल्ड)
- ६) फोटो मध्यभागी ठेवा.

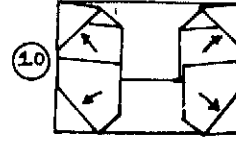
- 4) Lift the front edge right up.
- 5) squash fold the flaps.
- 6) Place the picture in the centre.
- 7) Establish the inner limits. Put the picture aside.



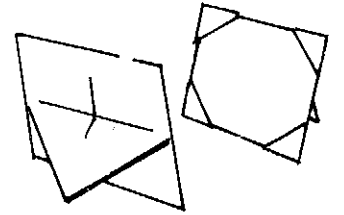
⑧



⑨

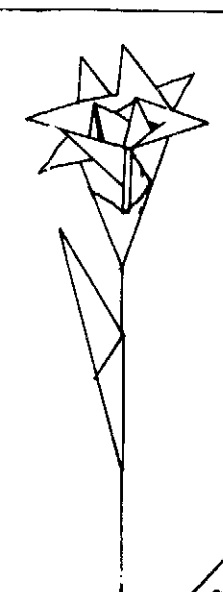
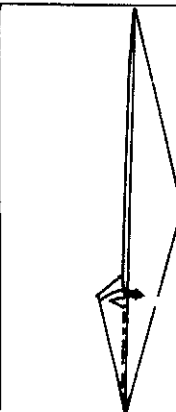
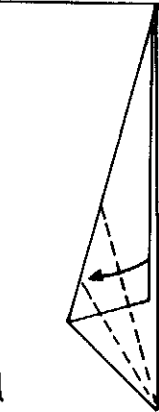
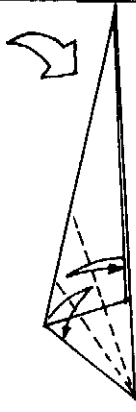
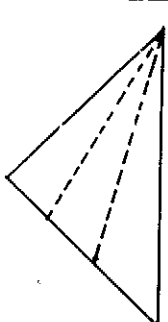
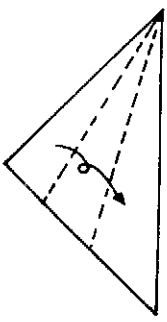


⑩



- ७) बाजूच्या आणि वरच्या व खालच्या दुमडण्याच्या खुणा करून घ्या.
- ८) खुणा लक्षात घेऊन वरची व खालची बाजू दुमडा.
- ९) डावी-उजवी बाजू याचप्रमाणे दुमडा.
- १०) फोटो घालून फ्रेम उभी करा.

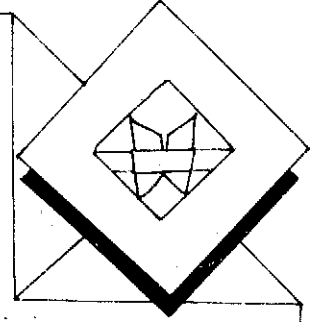
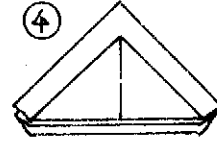
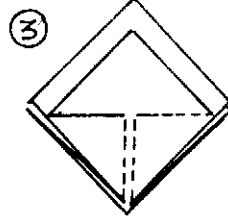
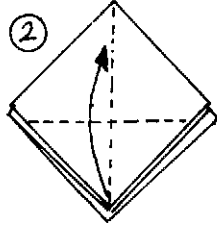
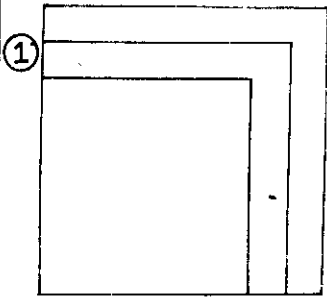
- 8) Refold top and bottom edges.
- 9) Refold the left and right edges.
- 10) Tuck the corners of the picture into the four corners pockets of the frame.



पान Leaf

फुलांना लावण्यासाठी किंवा फ्रेममध्ये उपयोग करण्यासाठी राईट अँगल ट्रँगलची ही पाने उपयुक्त ठरतात.

Use a right angle triangle. This leaf is attractive and useful.



झाड Tree

कागद उतरत्या क्रमाने रंग हिरवा, रंग आत, पांढरी बाजू वर. रुमाली घडी.

- १) खालील बाजू वर थोडा पांढरा भाग ठेवून वर दुमडावी.
- २) याप्रमाणे चारी बाजू. सर्व घड्या घालून एकावर एक ठेवून चिकटवा.

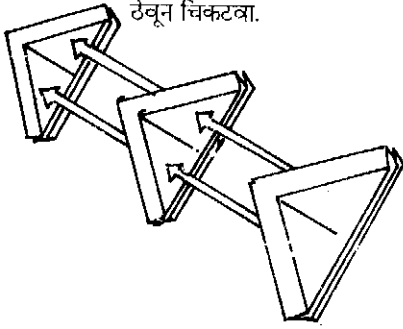
Green colour Paper

whiter side up. Fold square base. (Preliminary base)

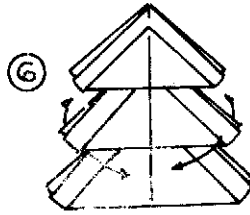
1) Fold bottom point up keeping part of white space open.

2) Repeat on other three sides. Place as shown and glue.

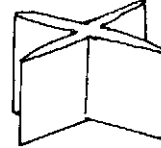
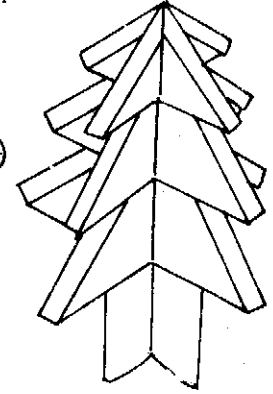
⑤



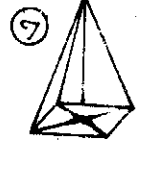
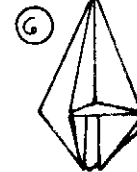
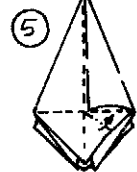
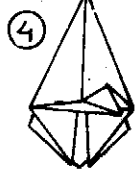
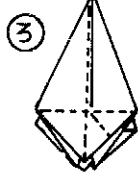
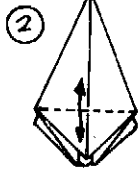
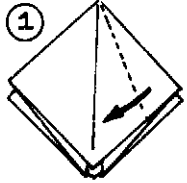
⑥



⑦



Grey colour paper equal in size to the largest green square.



खोड Trunk

जाड रंगाच्या कागदाचा चौरस, हिरव्या रंगाच्या मोठ्या चौरसाएवढा. रुमाली घडी घाला.

- १) बाजू मध्यापर्यंत घ्या.
- २) घडी फिरवून चारी बाजू मध्यापर्यंत घ्या.
- ३) खालील कोपरा वर घेऊन खूण घेऊन कोपरा खाली घ्यावा. कोपऱ्याची घडी बाजूला मिळवावी. दुमडलेली घडी आत घालून घडी पक्की करावी. याप्रमाणे चारी बाजू.

Begin with : square base.

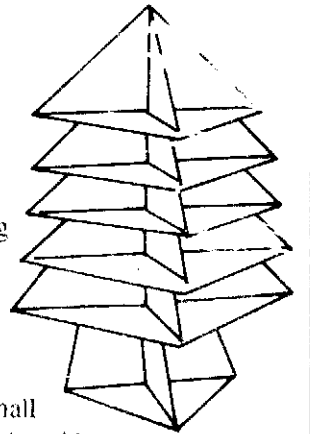
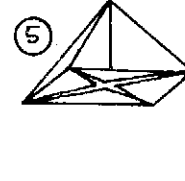
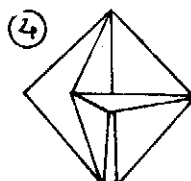
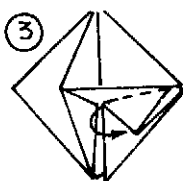
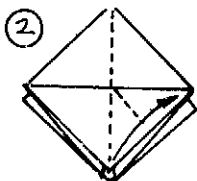
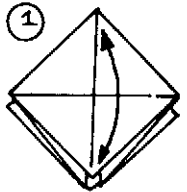
Fold side to the centre.

Repeat on other sides.

Fold bottom point up the horizontal edge.

Crease and return. Repeat on other three sides.

Fold the small triangular flap. Tuck flap into the pocket. Repeat on other three sides.



झाड Tree

- १) खालील टोक वर घेऊन पुन्हा खाली घ्यावे, याप्रमाणे राहिलेल्या तीन बाजू.
- २) खालचे टोक उजव्या बाजूला घ्यावे.
- ३) घडी पक्की करून तयार झालेला लहान त्रिकोण वरील घडीत घाला. याप्रमाणे सर्व बाजू पूर्ण करा. एकावर एक ठेवून झाड तयार करा.

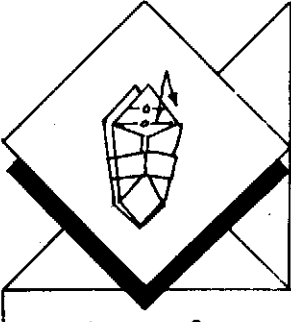
Prepare green papers slight decreasing in size. Begin with square base.

1) Fold and unfold bottom point up.

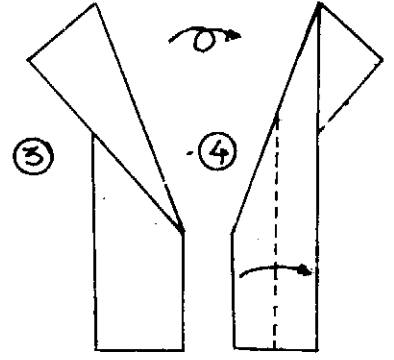
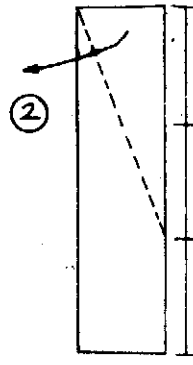
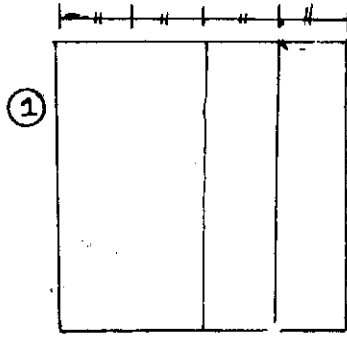
Repeat on other three sides.

2) Take the bottom point to the right.

3) crease firmly and mountain fold the small triangular flap in to the model. Repeat on other sides.



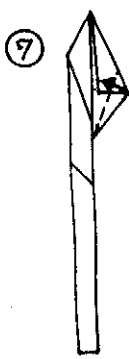
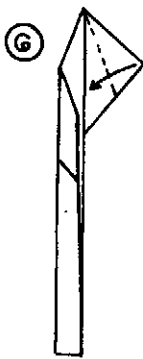
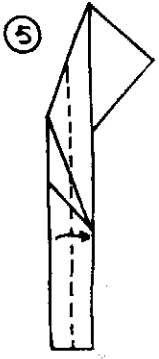
भेटकार्ड Greeting



४ ते ६ सें. चौरस. एक रंगीत एक हिरवा चौरस.
आकृतीत दाखविल्या प्रमाणे पट्ट्या कापा.
२-३) उजव्या हातचा कोपरा तुकट रेषेवर दुमडा. कलाकृति
पालथी घाला.

Use small square of coloured paper and green paper.

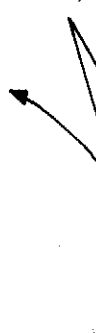
1) Divide squares as shown. Use three coloured and 4 green.



पान

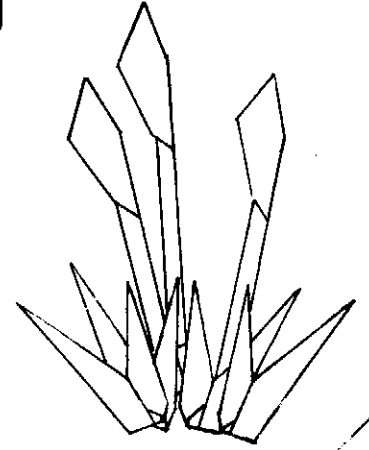
४-५) दोन वेळा दुमडा.
६-७) उजव्या हातचा कोपरा दुमडा, एकदा वरून एकदा
खालून, कलाकृती उलटा.

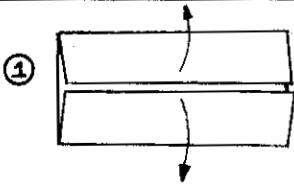
2-3) Fold right corner and turn the model
4-5) Fold at the centre twice.
6) Fold the corner to the centre
7) Fold the bottom edge.



हिरव्या कागदाची पाने आकृती पाहून तयार करा.

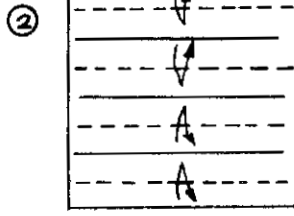
Fold leaf as shown.



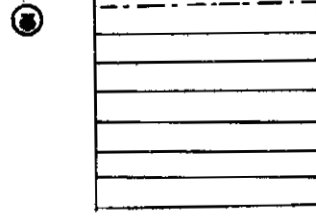


१) जाड चौरस कागद घेऊन
बाजू मध्यापर्यंत दुमडा.

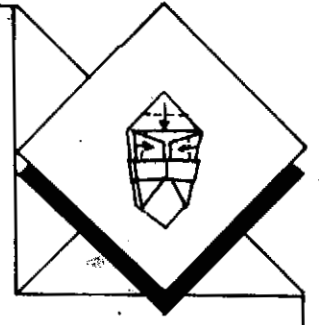
1) Mark centre and fold
sides to the centre.



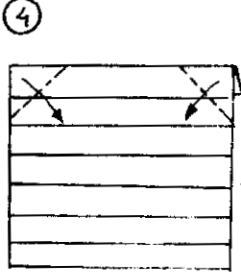
२) प्रत्येक भागाचा मध्य काढा. ८ भाग होतील.
2) Mark centres of four parts.



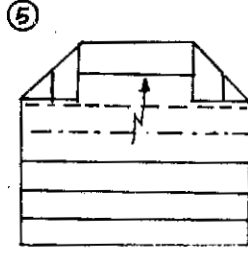
३) वरील १ भाग मागील
बाजूस दुमडा.
3) Fold upper part
backward.



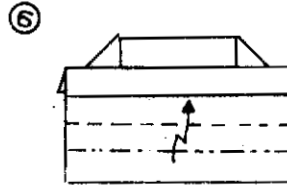
बाक Bench



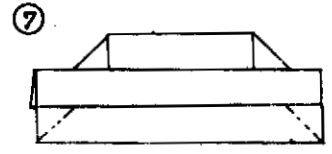
४) वरचे कोपरे आकृतीत
दाखविल्याप्रमाणे दुमडा.
4) Fold two corners as
shown covering two



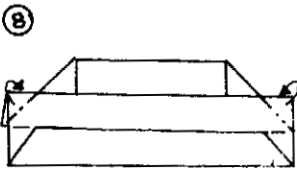
५) खालील बाजू प्रथम वर नंतर
खाली दुमडून घडी घाला.
5) Fold parts at the bottom
of the corners up and down.



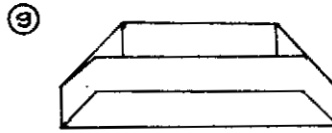
6) Repeat for the
bottom fold back.



७) तळाची घडी मागे दुमडून
दुहेरी पट्टी वर दुमडा.
७) खालच्या पट्टीचे कोपरे मागे
घडीच्या खुणेपर्यंत दुमडा.



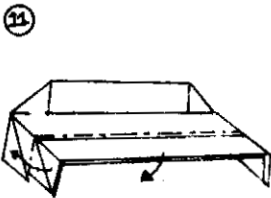
८) वरील पट्टीचे कोपरे मागे
घडीच्या खुणेपर्यंत दुमडा.
8) Fold corners of the
upper fold back.



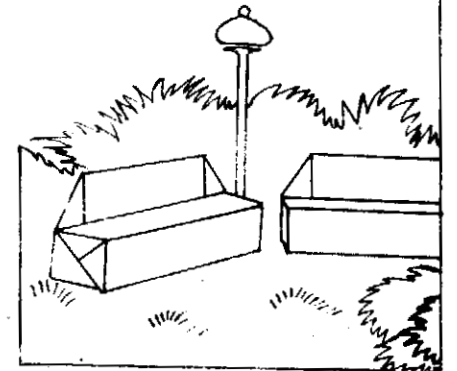
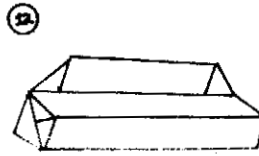
९) तयार घडी.
9) Finished fold.

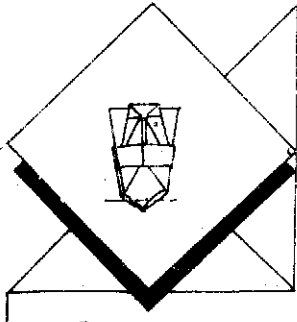


१०) खालच्या दोनही घड्या खालून वर उचला.
बाजू कडेला उभ्या करा.
10) Lift up two folds up folding
sides downward.



११) पुढील पट्टी खाली घ्या. कोपरे मागील त्रिकोणात
अडकवा. अर्ध्या चौकोनाचे बाक करून पाहा.
11) Fold down the front plate down Pinch
corner and tuck it in the pocket of back fold.





लिफाफा : Envelop

फुलस्कोप कागद

१, २, ३-

कागदाचा मध्य काढून उजव्या हातचा कोपरा मध्यापर्यंत दुमडा.

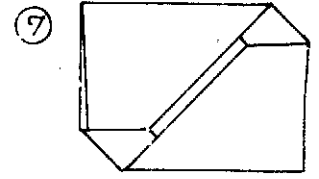
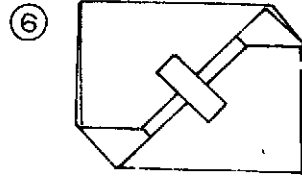
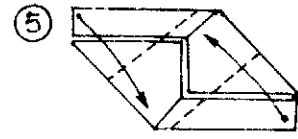
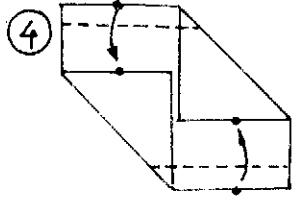
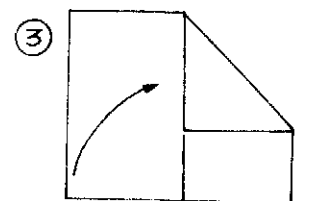
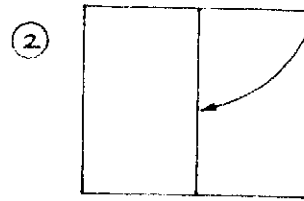
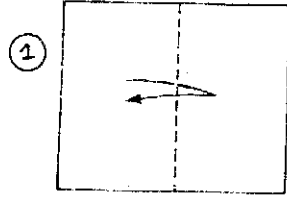
डावीकडचा कोपरा मध्यापर्यंत दुमडा. बाजू दुमडा. कोपरे समोरील पॉकेटमध्ये सरकावा.

Paper fullscape 1, 2, 3

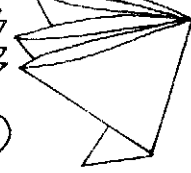
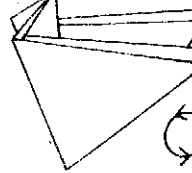
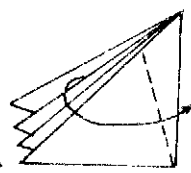
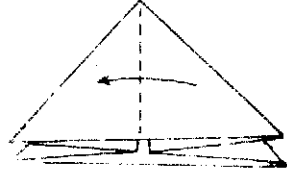
Mark centre and fold right hand corner to the centre.

Fold left hand corner to the centre. Fold sides as shown.

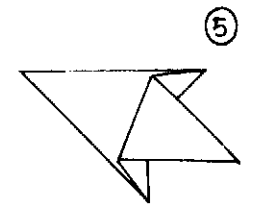
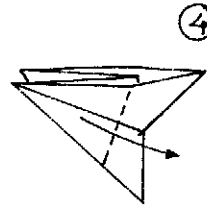
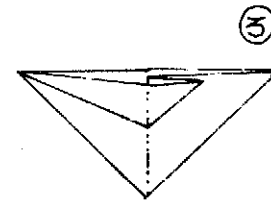
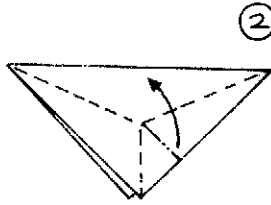
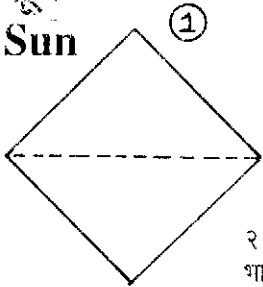
Insert corners in opposite pockets.



फूल Flower



सूर्य Sun



१) कोपरे जुळवा
1) Fold corners.

२) वरच्या भागाची रॅबिट इअर घडी घाला भाग मागे दुमडा. टोकाची घडी पुढेच राहू द्या.

2) Rabbit-car fold the upper layer of the folded triangle

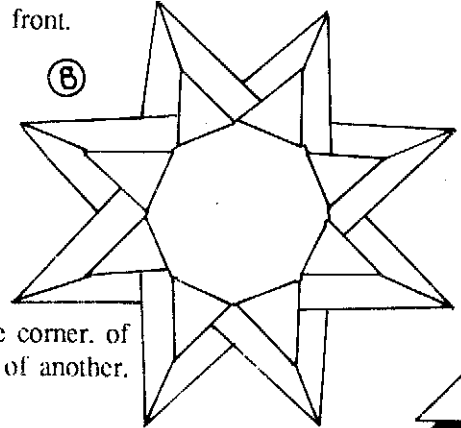
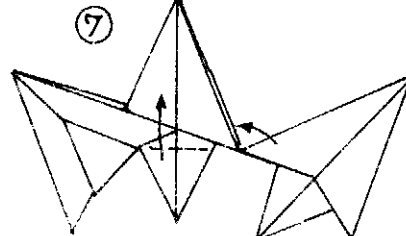
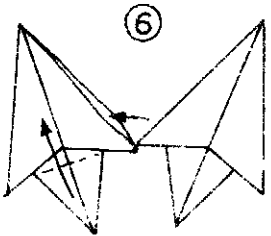
3) Take right half behind, leaving the flap in front.

४) वरचे टोक तुटक रेषेवर खाली घ्या.

4) Bring the top left point down on the crease.

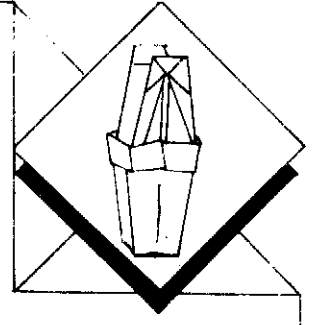
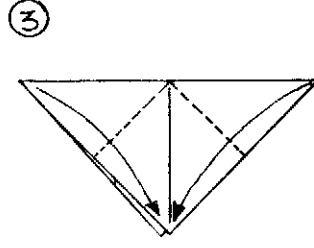
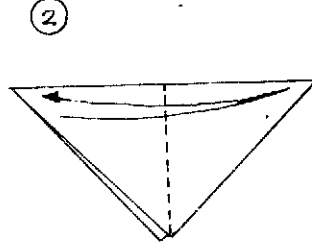
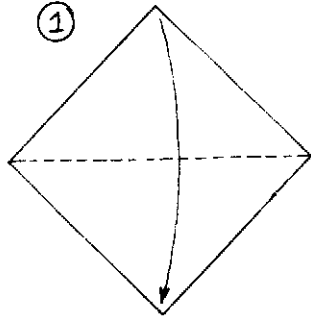
५) घडी उलटी करा.

5) Turn the structure over.



6) Make eight modules. Tuck the corner of one module into the side pocket of another. Then holdup the bottom point.

७) प्रमाणे वाट घ्या तयार करा. एका घडीचा कोपरा दुसऱ्या घडीच्या आत चिकटवा. नंतर खालची घडी वर दुमडा. कापामागे सर्व घडी चिकटवा. सूर्य तयार होईल.



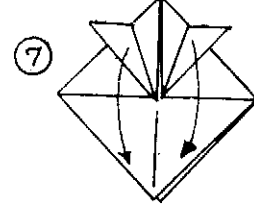
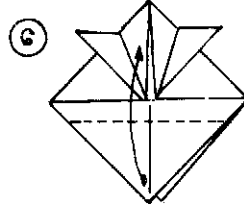
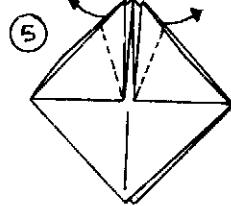
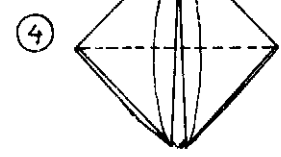
पत्र पेटी

Letter Jacket

आकर्षक रंगाचे दोन ३०x३० सें.मी चे चौस घेऊन
उलटबाजू जुळवून हलकेच धोडे चिकटवा.

१) तिरप्या मध्यावर घडी घाला.

२) उभा मध्य काढा.



३) वरचे कोपरे खालच्या कोपऱ्याला
जुळवा.

४) खालील टोके मध्यभागी दुमडून वर घ्या.

५) आतल्या कडा थोड्या बाहेर काढा.

६) खालील टोक वर दुमडून पुन्हा जागी घ्या.

७) वरच्या घड्या खाली घ्या.

use two squares of paper. Glue back to
back. Round 30x30 cm.

1) Fold a square diagonally in half.

2) Mark vertical centre.

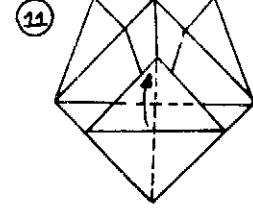
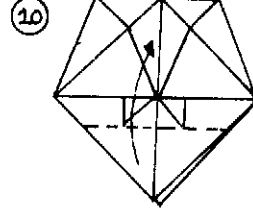
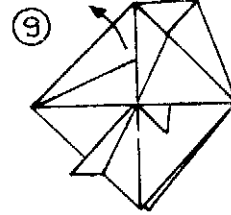
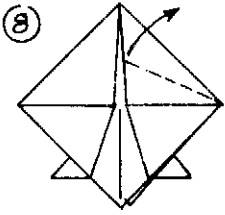
3) Fold top corners to bottom.

4) Fold bottom points to top.

5) Fold edges outward.

6) Fold and unfold bottom.

7) Fold down upper flaps only.



८) घडी आतून मोकळी करून उजव्या
बाजूला सरकावा.

९) डावीकडील घडी डाव्या बाजूला
सरकावा.

१०) खालील टोक तुटक रेषेवर वर
दुमडा.

११) पुन्हा दुमडून पट्टी करा.

8) Lift up the fold from inside and turn to
right so that bottom point comes to centre.

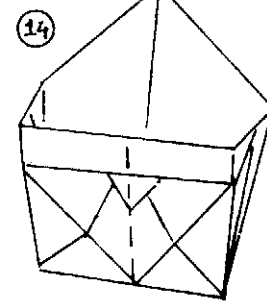
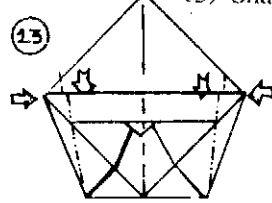
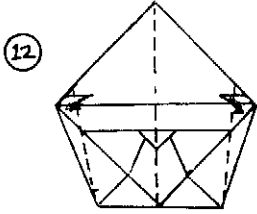
9) Repeat on left side.

10) Fold bottom point up on dotted line.

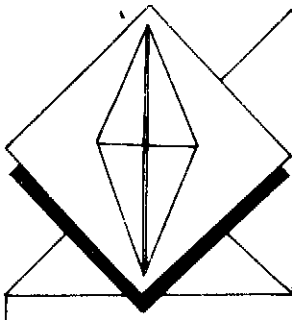
11) Fold again

12) crease side corners.

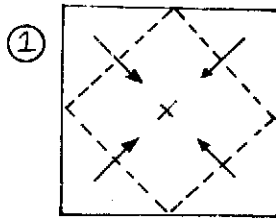
13) Shape as shown.



१२) दोन्ही बाजूंचे कोपरे दुमडून खुणा घ्या.
पेटीला योग्य आकार द्या.

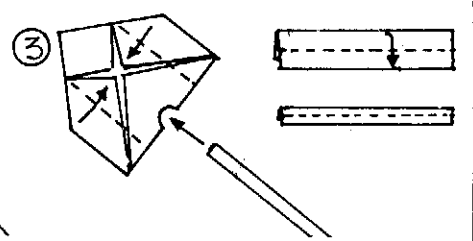
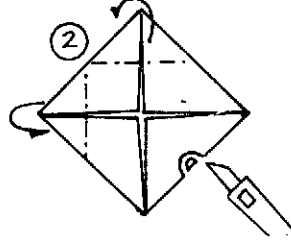


बोलका कोल्हा Talking Fox:



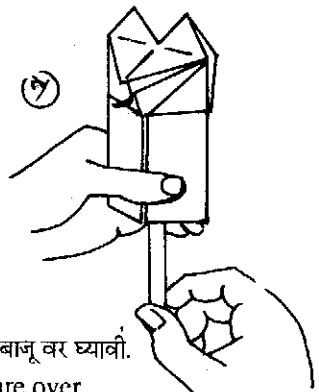
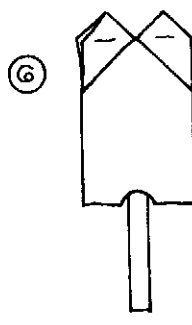
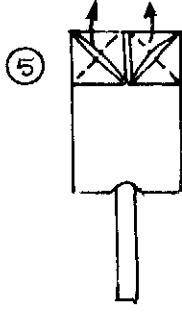
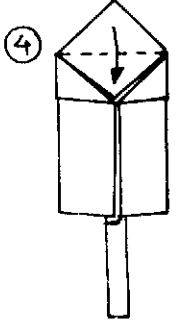
२) दोन जवळचे कोपरे मागे दुमडावे. खालील बाजूला एक भोक पाडावे. पट्टी मध्यावर दुमडावी.

2) fold adjacent corners of the square behind to the centre. Cut a hole in the opposite edge.



३) घडी घातलेली पट्टी कोपऱ्यापर्यंत आत सरकवावी. दोन्ही बाजू मध्यापर्यंत दुमडाव्या.

3) Insert the folded strip into the hole and push it inside right up to the opposite corner. Fold the two sides into the centre.



४) वरील टोक पट्टीसह खाली दुमडावे. घडी उलटी करावी.

५) मागील सुट्टे कोपरे वर उचलावे व दाबावे.

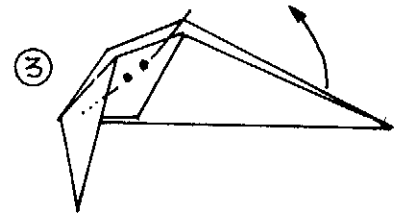
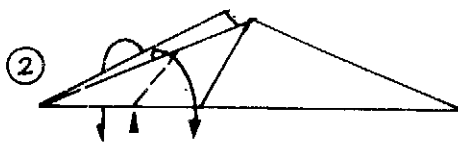
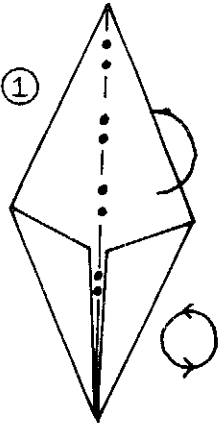
६) कलाकृतीची मागील बाजू वर घ्यावी.

4) Fold down the top point turn the paper over.

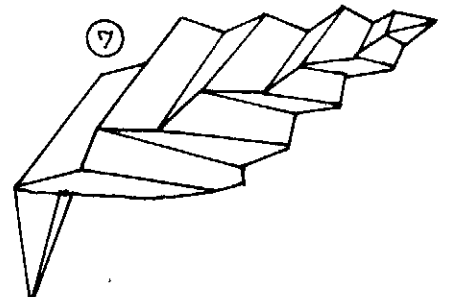
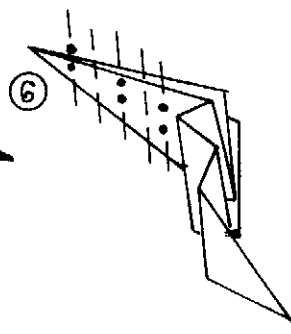
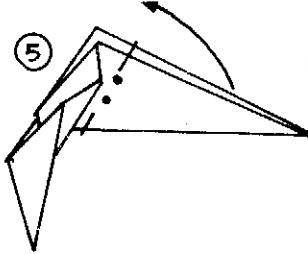
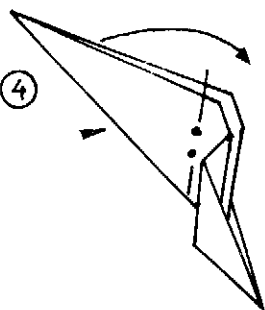
5) Lift the raw edges of the two little square. flaps and squash fold.

6) Turn the structure over.

handle up and down.

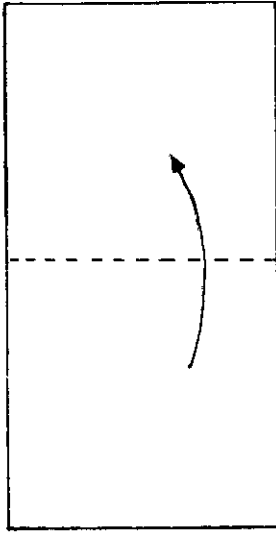


पान Leaf

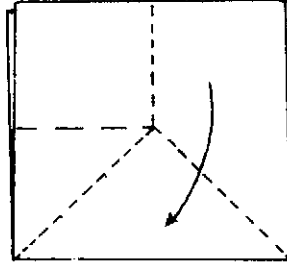


माऊंटन आणि वॅली फोल्ड घालून हे पान तयार करा.

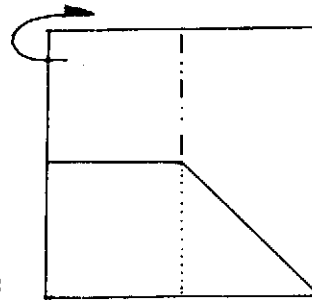
Try to fold this attractive leaf with mountain and valley fold.



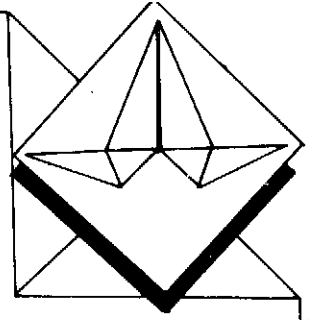
①



②



③

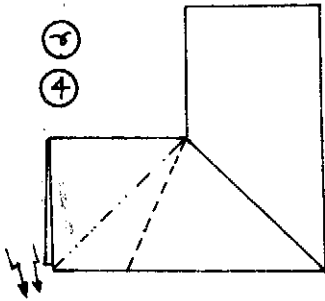


अस्वल Bear

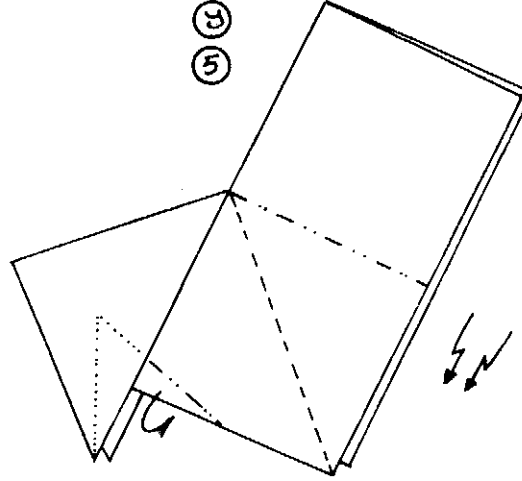
- १) कागदाचा उभा आणि आडवा मध्य काढून कागदाला मध्यभागी घडी घाला.
- २) पुढील भाग व्हॅली आणि माऊंटन फोल्ड्स घालून दुमडावा.
- ३) मागील भाग मागून दुमडून उजव्या बाजूस जुळवावा.

- 1 Crease both the centres and fold side to side.
- 2 Mountain and valley fold front layer.
- 3 Fold behind back flap as shown.

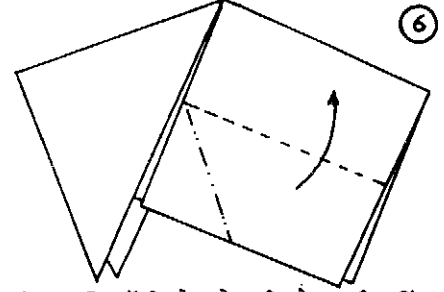
दोन्ही बाजूंना एकच रंग असलेला जाडसर कागद २×१ रेक्टॅंगल.



④

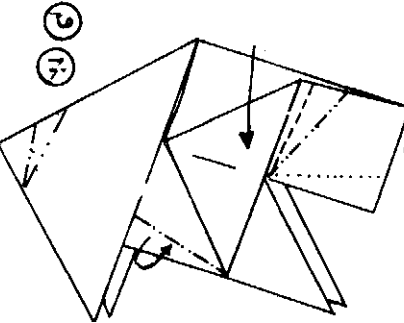


⑤

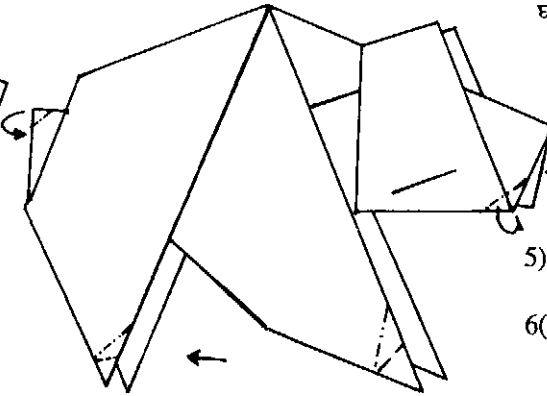


⑥

- ४) माऊंटन आणि व्हॅली फोल्डने घडी पुढे घ्यावी. (क्रिंप)
- ५) तिरप्या मध्यावर पुढून घडी घालून, आडवी घडी उलट्या बाजूला दुमडून घडी मागील घडीला जोडा. हे पुढचे पाय येतील.
- ६) खालील बाजू वर उचलून मध्यभागी दुमडावी. कोपरा दाबावा. (स्क्वॅश) खालील भाग आत दुमडावा. संपूर्ण घडी खालील पॉकेटमध्ये सरकावा.



⑦



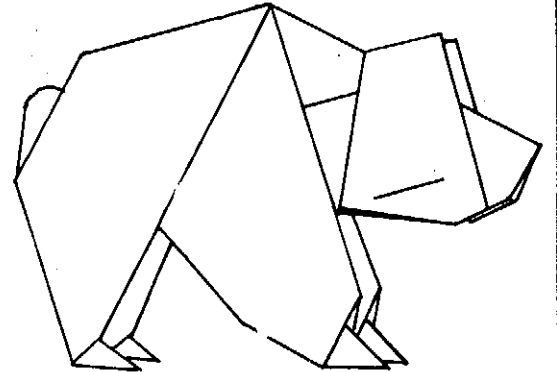
- 4(Folding mountain and valley fold, push fold forward. from both sides. (crimp)

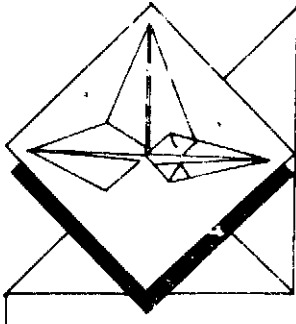
- 5) Mountain fold at diagonal line and valley fold central line. Fold in the small plate in.
- 6(Lift up bottom side and on dotted line squash corner. Tuck into poket behind.

७) कान, शेपटी, पाय यांना आकार द्यावा. कानाचे कोपरे अडकवा.

7(Lift up with crimp fold front and back flaps to form ears. Lock ears.

9(Shape tail and legs.





पेन्ग्विन Penguin

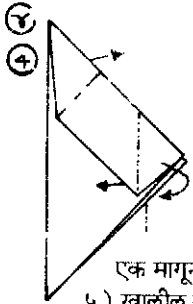
१२×१२ सें. मि. चौरस.

१) मध्य काढा. टोक मध्यापर्यंत.

२) दोन बाजू मागे दुमडा.

३) मध्यभागी घडी घाला.

४) वरील टोक बाहेर ओढा. कोपरे आत दुमडा; एक पुढून

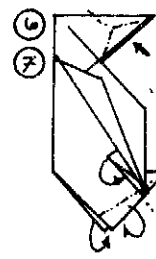
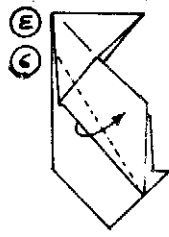
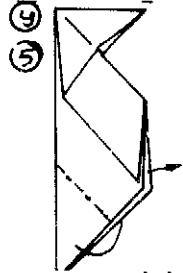


एक मागून.

५) खालील कोपरा इनसाईड रिव्हर्स फोल्डने दुमडा.

६) तुटक रेषेवर घडी घाला, पुढून व मागून.

७) खालील टोके आत दुमडा, चोचीला आकार द्या.



5) Inside reverse fold the bottom to point.

6) Fold on dotted lines on both the sides.

7) Fold in bottom corner and finish beak.

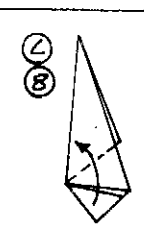
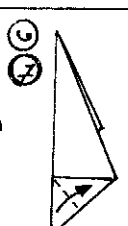
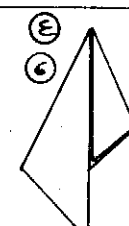
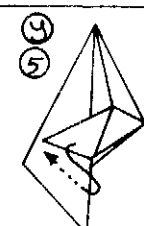
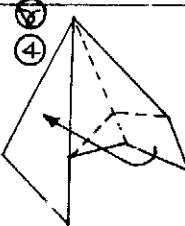
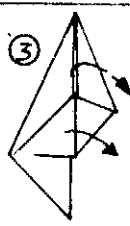
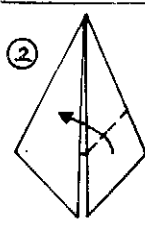
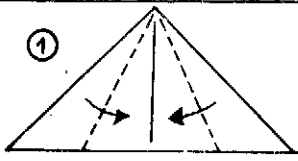
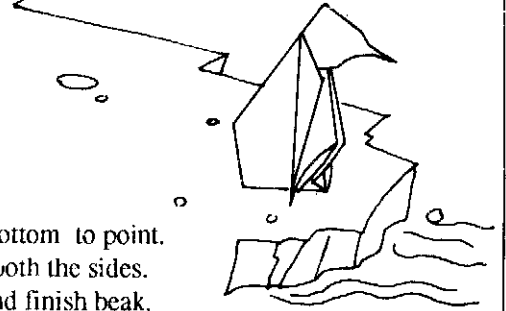
12=12 cm. square paper, black with a white underside.

1) Make centres and fold top end to centre.

2) Fold the edges behind.

3) Fold at the centre.

4) Pull out top square. Fold two corners inside from front and back.

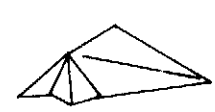
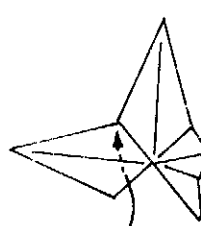
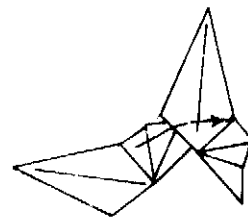
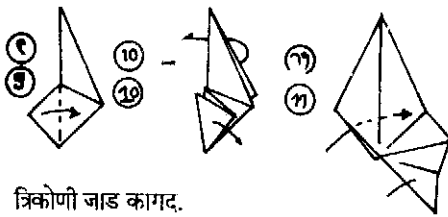


चांदणी Star

Use a triangle.

1 Fold sides to centre.

2 Fold the right hand bottom point on dotted line.



त्रिकोणी जाड कागद.

१) बाजू मध्यापर्यंत घ्या.

२) उजव्या बाजूचे टोक वर दुमडा.

३) घडी पुन्हा उलगाडा.

४) टोक आत घ्या.

५) टोक डाव्या घडीच्या आत सरकवा.

६) तयार घडी.

७) टोक दुमडा.

८) तुटक रेषेवर घडी घाला.

९) कोपरा दुमडा.

१०) घड्या उलगाडा. ५ किंवा ६ घड्या तयार करा.

११) एकात एक घड्या अडकवून चिकटवा.

3 Unfold.

4 Lift the corner fold in.

5 Insert beneath left fold.

6 Finished fold.

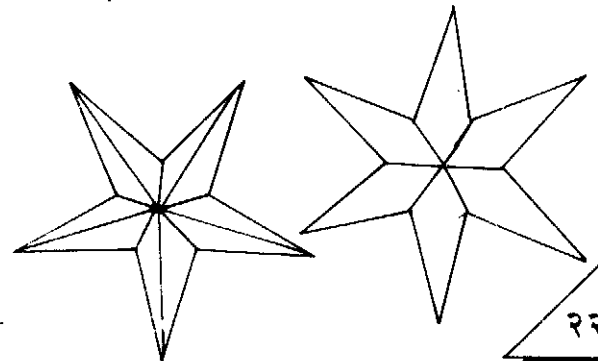
7 Fold bottom end.

8 Fold on dotted line.

9 Fold corner.

10 Unfold. Make 5 or 6

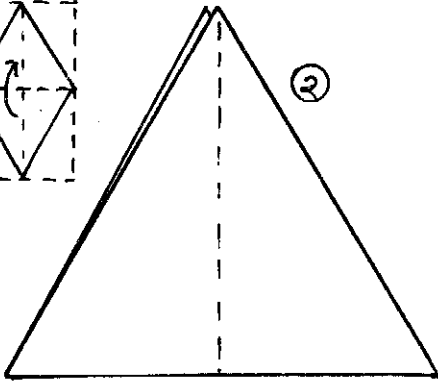
11 Insert corner in and glue.



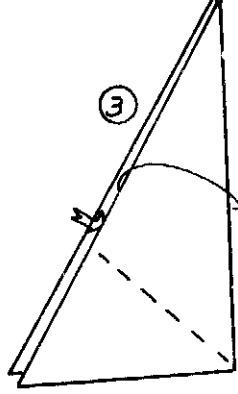
१



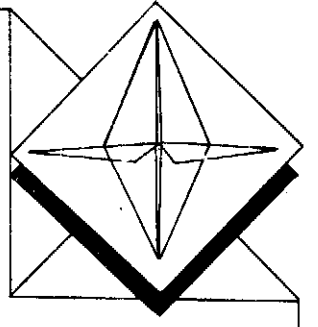
२



३



बदक Duck



पांढरा कागद २० सें. मि. चौरसामधून न्होंमबस काढा.

१.) दोन कोपरे जुळवा.

२.) घडी मध्यावर दुमडा.

३.) खालील बाजू मध्यापर्यंत जुळवून खूण घ्या. मधून उलगडून दाबा. (स्क्वॅश)

हीच कृती मागील बाजूने करा.

४.) मागून आणि पुढून बाजू मध्यापर्यंत घ्या.

५.) घडीच्या आतील टोक खाली घेऊन घडी पक्की करा. हीच कृती मागील बाजूने.

६.) खालील बाजूच्या मधील घड्या दोन्ही बाजूने रिव्हर्स फोल्डने वर घ्या.

७.) घडीला मध्यावर घडी घाला.

८.) वरील टोकाला रिव्हर्स फोल्ड घालून मान बनवा.

९.) टोक रिव्हर्स फोल्डने दुमडून चोच व डोक्याला आकार द्या. पायांना आकार द्या.

Use a rhombus made from 20 cm. square of white paper.

1) Join two corners.

2) Fold at the centre.

3) Fold and unfold the bottom edge to the centre. Open out the fold and squash. Repeat behind.

4) Fold sides to the centre from both sides.

5) Pull down the tip underneath from both the sides. Fix up the folds. Change sides.

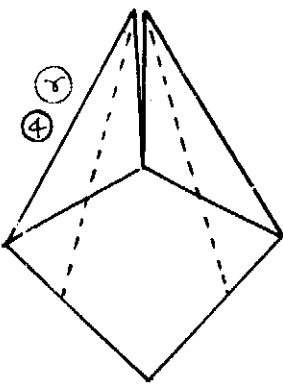
6) Lift up the two inner points from the bottom upward by reverse fold.

7) Fold at the centre.

8) Reverse fold the upper tip and form neck.

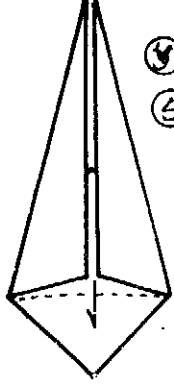
9) Reverse fold the tip and shape head. Shape legs.

४



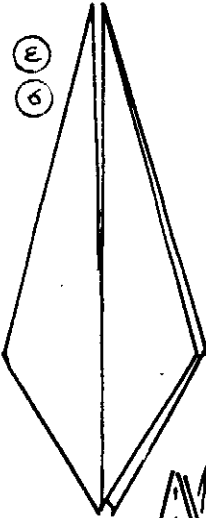
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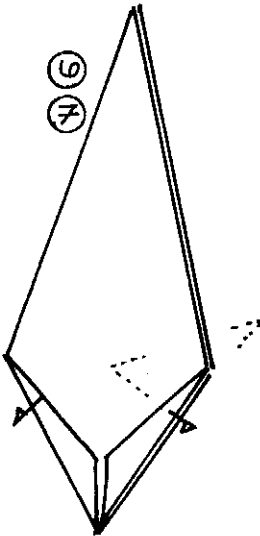
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६



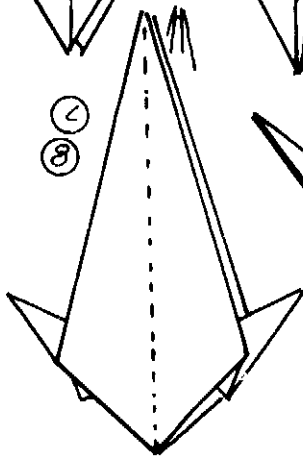
७

७



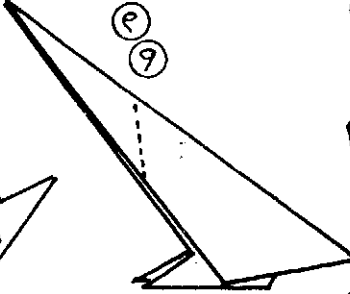
८

८



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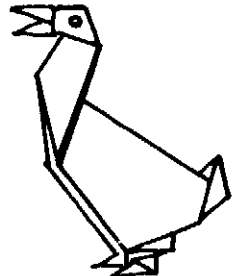
९

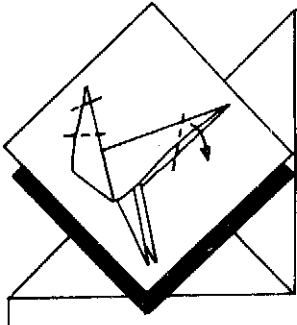


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खेकडा

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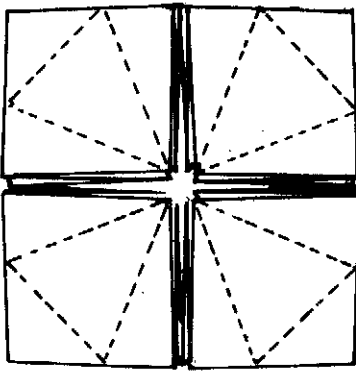
३० सें.मी. चौरस कागद वापरा.
१) बाजू मध्यापर्यंत दुमडून चौकोनी भाग पाडा.
आणि दाखविलेल्या जागी कापा.

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③

use a 30 cm square of paper.

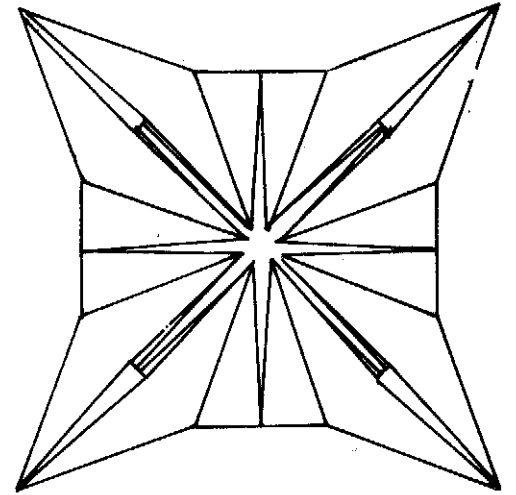
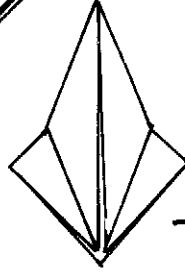
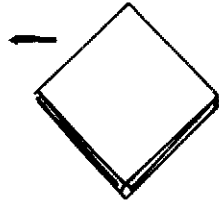
1) Fold the paper in quarters both lengthwise and widthwise cut on the indicated lines.



④

चारही कोपऱ्यांचे अर्धे क्रेनबेस घाला.

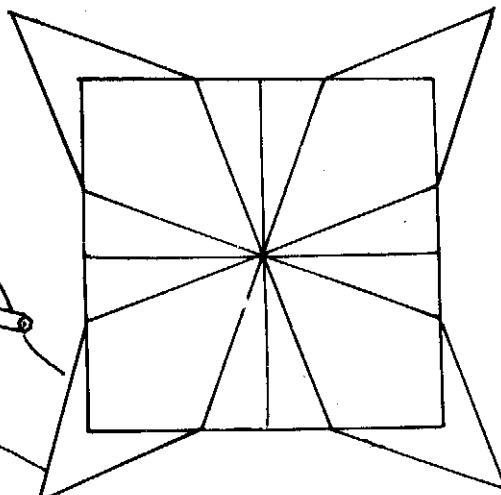
Fold each of the resulting squares as for a half of a separate crane base.



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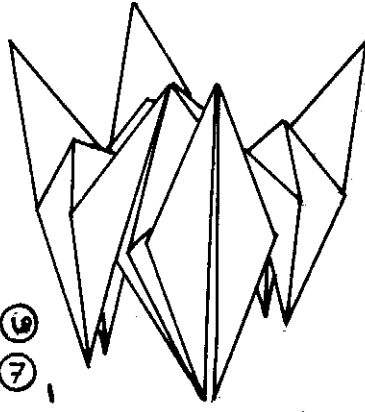
तयार कृति

The figure should look like this turn the model.

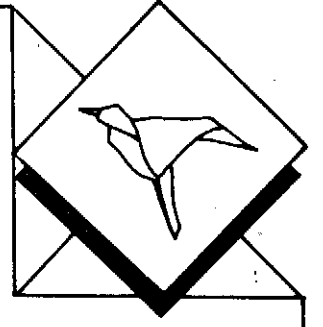
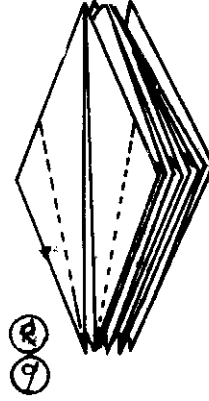
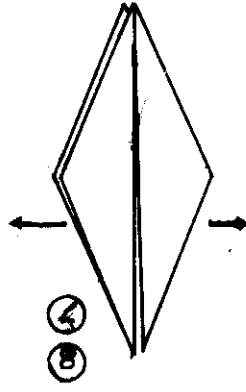


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मागील बाजूने दाखविलेल्या रेषा आखून घड्या घाला व जरूर त्या खुणा घ्या. Draw lines as shown and crease.

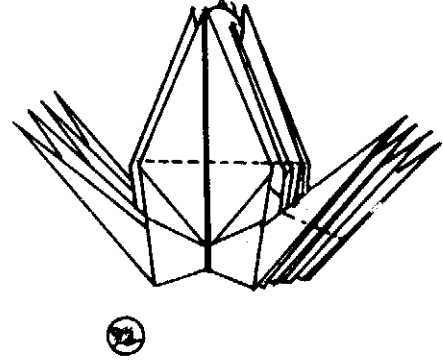
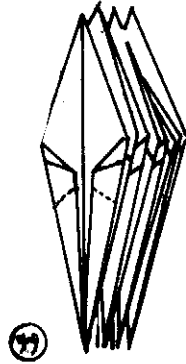
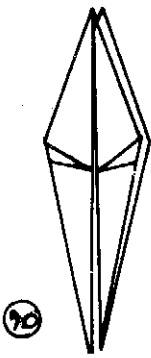


संपूर्ण कागद उलगडून खुणांचा उपयोग करून आकृतीत दिसते त्याप्रमाणे घडी तयार करा. हे चार बर्ड बेस होतात.
Open the paper out. fold on the dotted lines.
This elaborate fold results in four joined crane bases.



CRAB

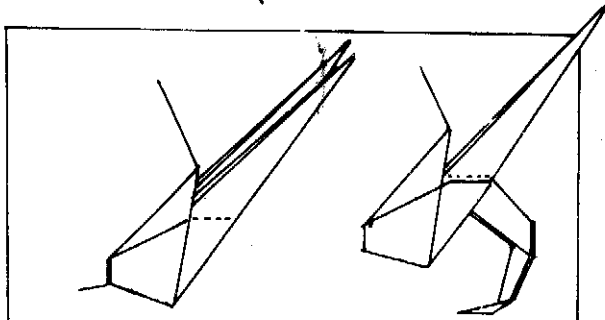
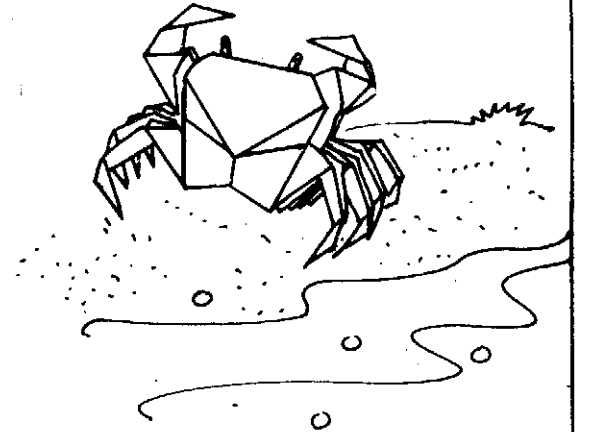
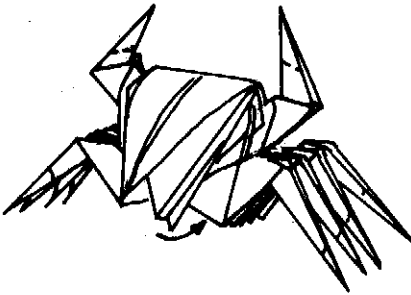
काळजीपूर्वक घड्या जुळवून बेस एकत्र करा.
Fold carefully and you will have the shape.
The four joined crane bases like this.

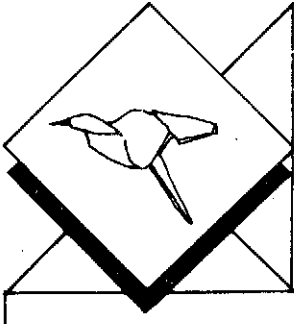


सर्व खालच्या बाजू मध्यापर्यंत दुमडा.
Fold sides on dotted lines one by one on all sides.

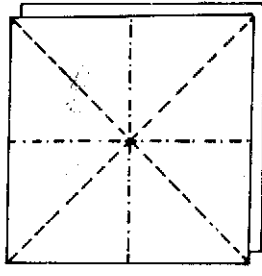
रिव्हर्स फोल्डने आकार घ्या.
डबल क्रन बेसचा खेकडा अधिक सोपा होतो. करून पाह.
Reverse fold as indicated shape legs.

* The crab from double crane base is much easier.

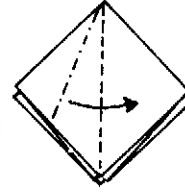




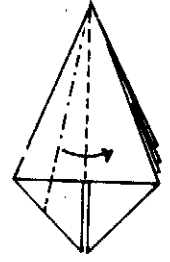
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छत्री Umbrella.

दोन २५ सें.मी. कागदाचे चौरस कागद जाडसर, रंगीत किंवा आकर्षक डिझाइनचा. एक ५ सें. मी. चौरस तुकडा. चिकटवण्यासाठी टेप.

Two 25 c.m. squares of tough, patterned or coloured paper. One 5 c.m. square of paper, sticky tape.

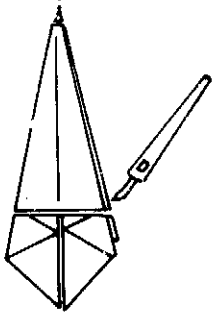
१) कागदाची रुमाली घडी घाला.

२) बाजूची घडी मोकळी करून दाबा. (स्कॅश) याप्रमाणे इतर तीन घड्या.

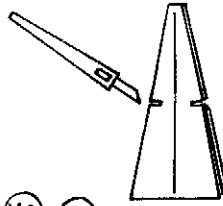
1) Fold one square into a preliminary base.

2) Squash fold one triangular flap to the right and repeat on the other three sides.

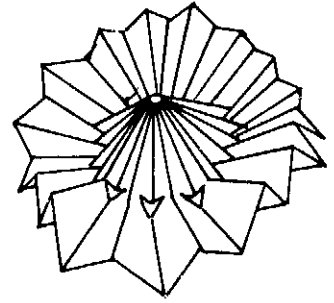
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३) तयार आठही घड्या पुन्हा स्कॅश करा.

४) वरील टोक किंचित कापा. खालील भाग सरळ रेषेत कापा. याचप्रमाणे दुसऱ्या चौकोनाची घडी तयार करा.

५) वरीलपैकी एका घडीच्या मध्यावर सर्व घड्यांना छेद घ्या.

६) घडी उलगडा. घडीच्या छेदापासून माउंटन फोल्डची व्हॅली फोल्ड आणि व्हॅली फोल्डची माउंटन फोल्ड घाला. छत्री उघडण्याची-मिटण्याची यंत्रणा तयार होईल.

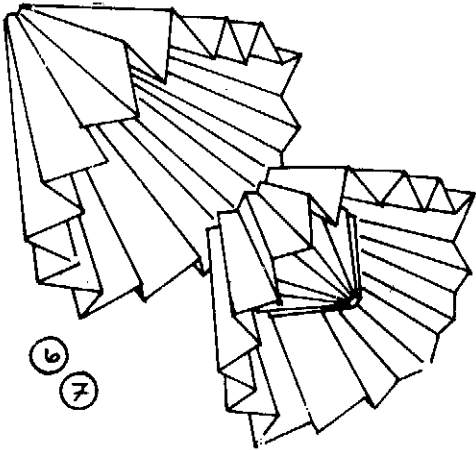
3) Squash fold the eight flaps again.

4) Cut all the layers just below the horizontal edge. Cut off just the tip. Repeat steps 1-4 on other 25 c.m. square.

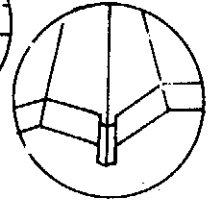
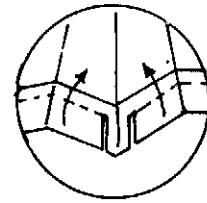
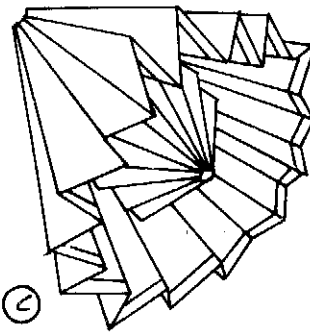
5) On one of these pleated forms only find the halfway mark and cut a slit through all the layers.

6) Open up the paper, change the creases radiating out from the slits from valley folds into mountain folds and vice versa. Then raise this form. It will become the opening mechanism of the umbrella.

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९) आतील बाजू

9) Inside view

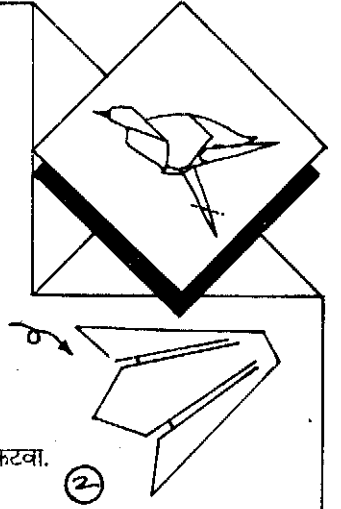
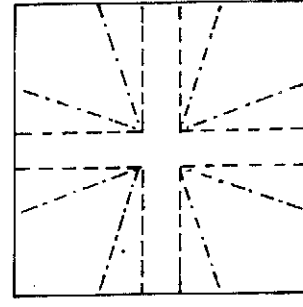
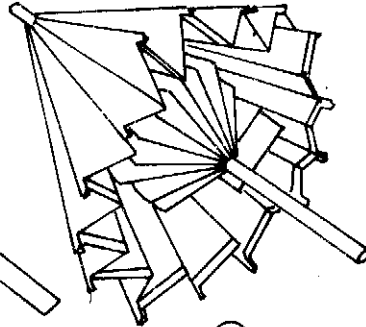
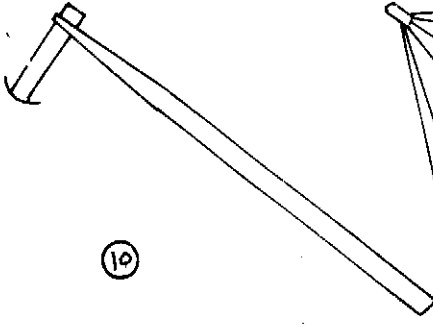
७) उघडणारी-मिटणारी घडी पहिल्या घडोत सरकावा.

८) योग्य प्रकारे घडी बसल्यावर थोडी चिकटवा.

8) When properly positioned, hold it in place by applying a little glue around the edges.

व्हॅलीफोल्डच्या दोन्ही बाजूला सुमारे २ मि.मी. छेद घ्या. बाजूवर दुमडून चिकटवा.

make a cut about 2 m.m. on both sides of each valley fold crease. Fold up the edges between the cuts into a hem and glue into place.

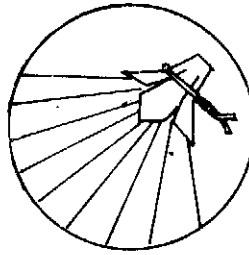
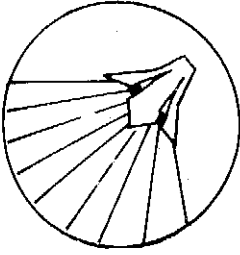


१०) छत्रीसाठी दांड्याची निवड करून एका टोकाला चिकटपट्टी गुंडाळा (कुंच्याची काडी ठीक पडते.)

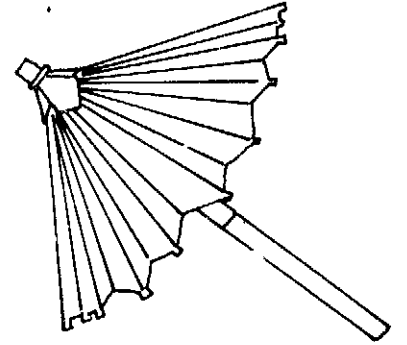
दांडा आत सरकवा. उघडझाप करणाऱ्या फक्त घडीच्या टोकाला रंगीत तुकडा गुंडाळून चिकटवा.

10) Now take a stick and seal one end with a strip of sticky tape.

11) Insert the handle through the umbrella, wrap a scrap of coloured paper around the base of the opening mechanism.



दोन्याने पक्का बसवा.



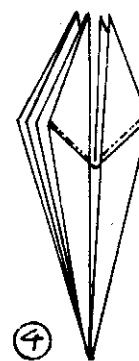
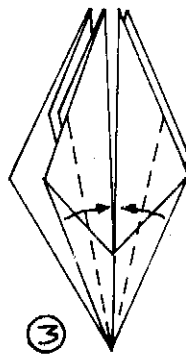
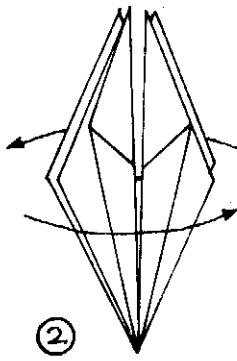
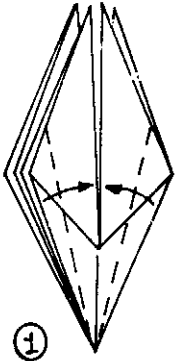
तयार छत्री.

५ सें. मी. चौरसाला घड्या घाला व आकार घ्या. तयार आकार छत्रीच्या वरच्या टोकावर बसवा.

2) Take the 5 c.m. square of paper and raise the four corners.

3) Fit this shape to the top, tie it in place.

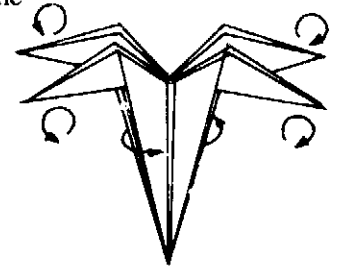
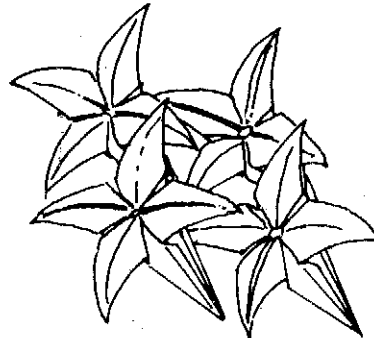
The completed Japanese Umbrella.

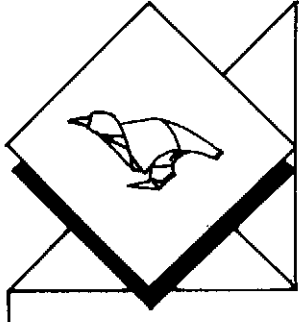


फूल
Flower.

रंगीत कागद १२ सें.मी. चौरस कागदाची बेदकाची घडी घाला. चारी बाजूंनी बाजू मध्यापर्यंत दुमडा. वरील टोके इनसाइड रिव्हर्स फोल्डने दुमडा. पाकळ्यांना आकार द्या.

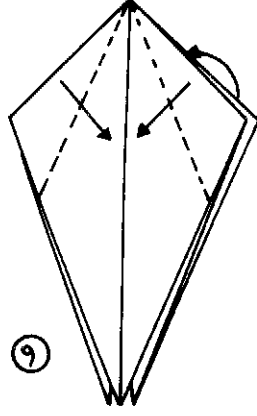
Colour paper 12 c.m. square. Begin with frog base. Fold sides to the centre. Repeat all the sides. Inside reverse fold on dotted line all the tips. Open out the petals.





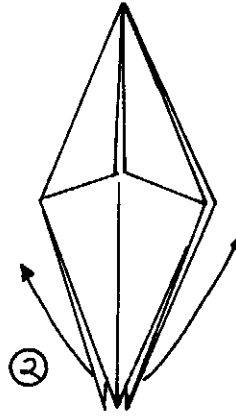
घुबड OWL

1) Begin with the bird base.



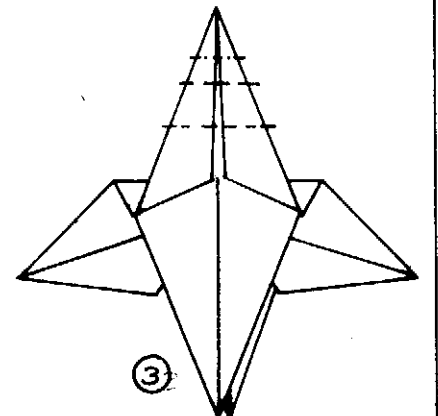
कागदाला पक्षाची घडी घाला.

Fold top flaps to the centre.



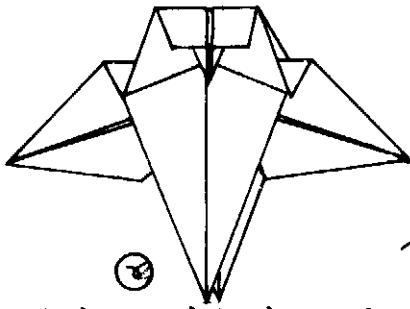
वरील बाजू पुढून व मागून मध्यापर्यंत घ्या.

2) Pull the two inner points upward and flatten them to the position.



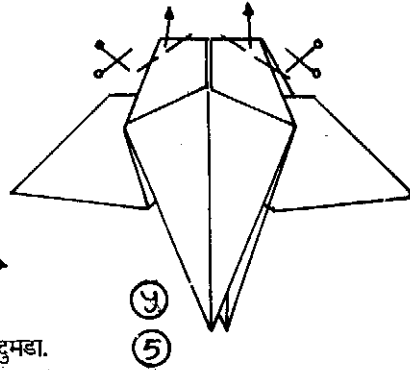
3) खालील टोके मधून वर घेऊन पंख बनवा.

3) Pull the two inner points upward and flatten them to the position.



4) वरील टोक प्रथम मागे नंतर पुढे पुन्हा पुढील बाजूने दुमडा.

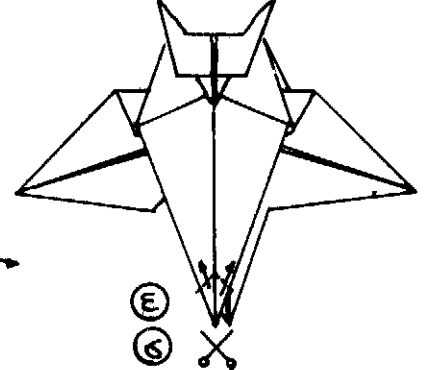
Fold the upper tip back and then front mountain fold once again. Turn the model.



5) वरील कोपरे छेद देऊन वळवा.

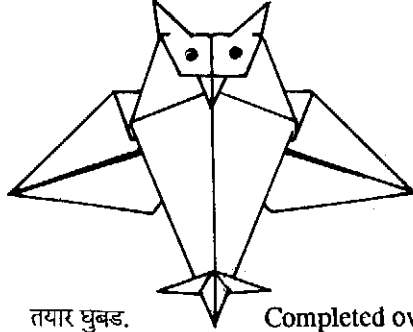
5) Cut and fold up.

Turn the model.



6) खालील बाजूचे फक्त वरच्या घडीचे टोक कापून वळवा.

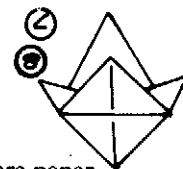
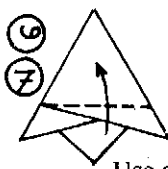
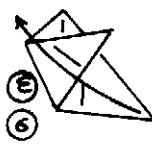
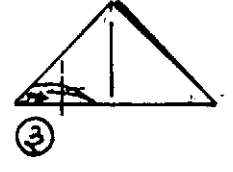
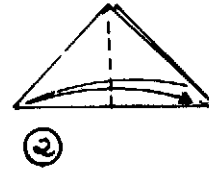
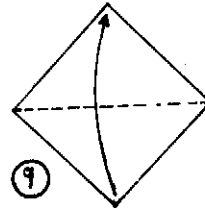
6) Cut the bottom tip only top layer and fold.



तयार घुबड.

Completed owl.

टोपी CAP



१) चौकोनी कागदाची टोके जुळवा. २) घडीचा मध्य काढा.

३) डावा कोपरा मध्य रेषेपर्यंत दुमडून उलगाडा.

४) उजवा कोपरा, डाव्या बाजूच्या मध्यापर्यंत दुमडून खूण घ्या.

५) डावीकडील भागाच्या मध्याच्या खुणेवरील गोल उजव्या भागाच्या खुणेच्या रेषेला छेदील अशा प्रकारे कोपरा दुमडा. दुमडण्यास मध्य रेषेपासून सुरुवात करा.

६) उजवा कोपरा दुमडा.

७) घडी बदलून मागून पुढून घड्या वर दुमडा. तयार टोपी.

Use square paper.

1) Join two corners.

2) Fold and unfold left corner to the right corner.

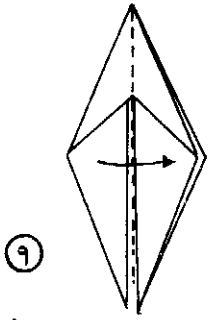
3) Fold and unfold left corner to centre line.

4) Fold and unfold right corner as indicated.

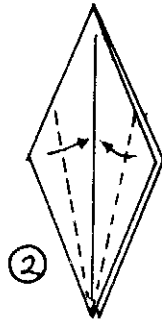
5) Fold left corner to join to marks.

6) Fold right corner.

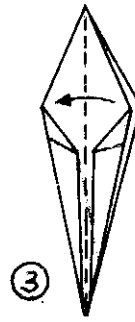
7) Turn the model upside down and fold flaps



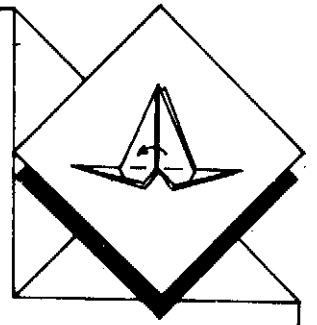
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बेडूक Frog

चौकोनी, हिरवट रंगाचा कागद

१) फ्रॉगबेस तयार करून घ्यावा. (पान ८)

डावीबाजू उजवीकडे घ्यावी. मागील बाजूने हीच कृति करावी.

Use a square of paper green in colour.

1) Start by completing the frog base.

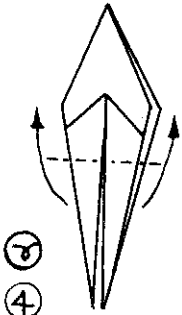
Take the front left flap across to the right.
Turn the paper over and fold the front right flap across to the left.

२) खालील बाजू मध्यापर्यंत दुमडाव्या. हीच कृति इतर तीन बाजूंना करावी.

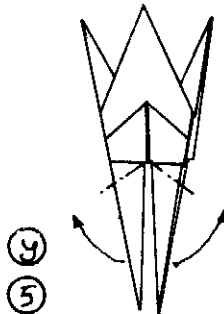
३) उजवी बाजू डावीकडे घ्यावी. हीच कृति मागील बाजूने करावी.

2) Fold the lower edge of the front flaps to the centre crease. Repeat on other three sides.

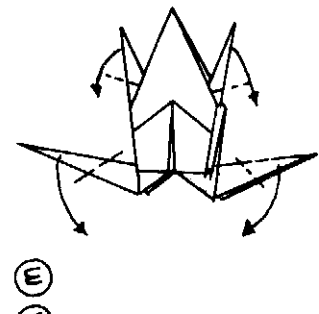
3) Turn the flaps on both sides.



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४) खालील टोके इनसाईड रिव्हर्स फोल्डने जातील तेवढी वर घ्यावी.

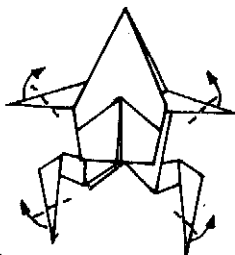
५) दुसरी दोन टोके इनसाईड रिव्हर्स फोल्डने एक डावीकडे व एक उजवीकडे घ्यावे.

4) Inside reverse fold the front pair of bottom points up as far as they will.

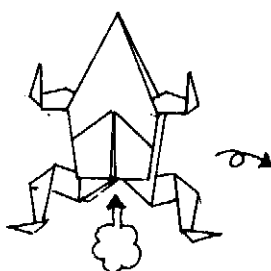
5) Inside reverse fold the remaining pair of points out to the left and right.

६) चारही टोके व्हॅली फोल्डने दुमडून पाय तयार करावे.

6) Valley fold each of the four points to form legs.



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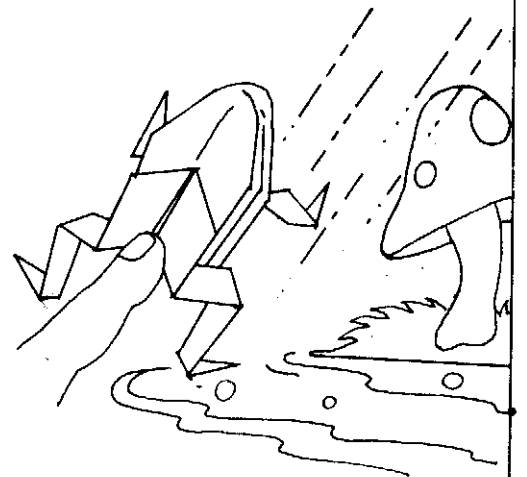
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७) पुन्हा एकदा टोके दुमडून पाय करावे.

८) फुगवून बेडूक तयार करावा.

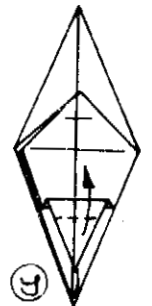
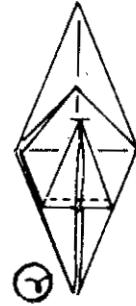
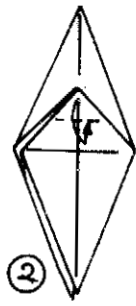
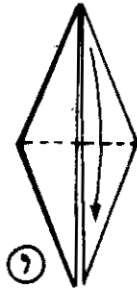
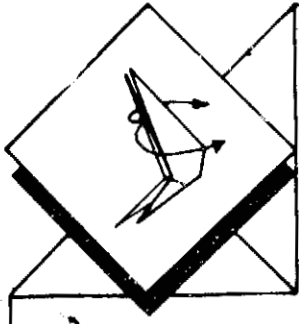
7) Fold each of the points again, to form feet.

8) Blow into the hole at the bottom of the model and press down on the top point to raise the form of the body turn over.



९) बेडूक उडी मारतो.

9) Make the frog jump.



घोडा

पुढील भाग Head section

१५ x १५ सें. मि. चे दोन चौकोन घ्या. बर्डबेस तयार करा.

१) वरील घडा खाली घ्या. २) मधल्या घडीचा मध्य काढा.

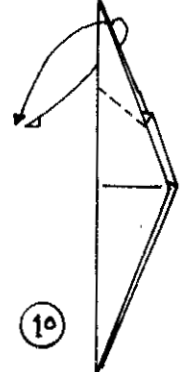
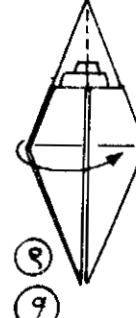
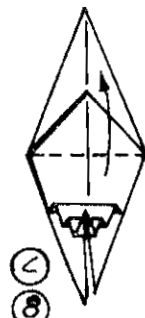
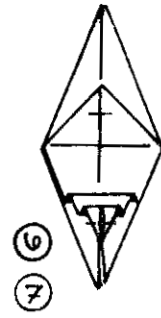
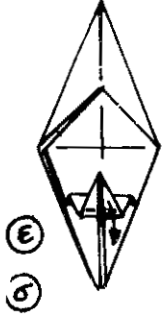
३) खालील घडी मध्यबिंदूपर्यंत दुमडा.

४ ते ७) क्रमाने घड्या घाला.

Use two squares 15x15 cm. of brown paper. Fold birdbase.

1) Fold upper flap down.

2) Mark the centre of middle flap.



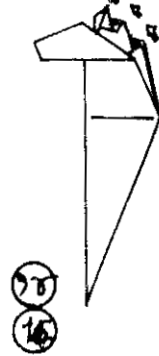
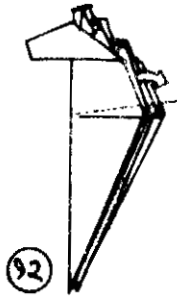
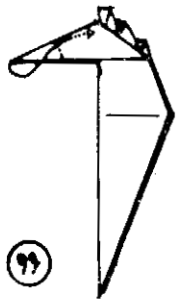
८) वर दुमडा.

९) मध्यावर घडी घाला.

१०) टोकाची रिव्हर्स फोल्ड.

११) टोक आत दुमडा.

8) Fold up. 9) Fold at the centre. 3) Fold bottom flap to the middle point. 4 to 7) Fold down flap in numerical order.

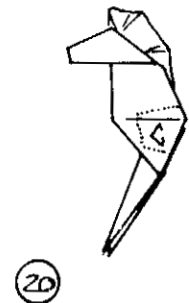
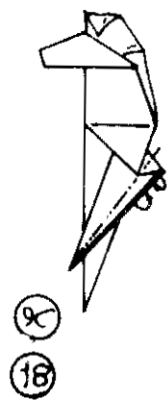
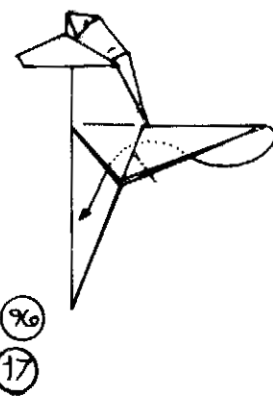
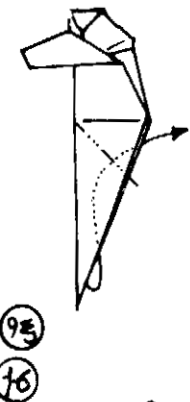


१२ ते १४) मानेवरील घड्या थोड्या थोड्या ओढून आयाळ बनवा.

१५) खालील टोकाला घडी घाला व उलगडा.

१६) इन्साइड रिव्हर्स फोल्ड.

10) Outside reverse fold. 11) Fold tip in. 12 to 14) Pullout small folds one by one to give snape. 15) Fold and unfold bottom end.



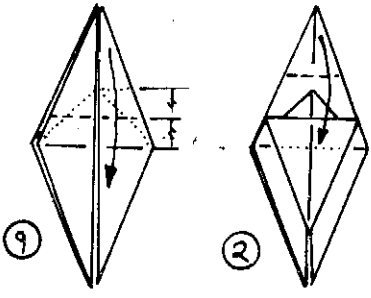
१७) पुन्हा रिव्हर्स फोल्ड.

१८) बाजू दुमडून पाय बारीक करा.

१९) याच प्रकारे दुसरा पाय.

16) Inside reverse fold one flap up. 17) Repeat inside fold again.

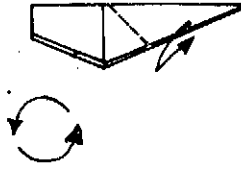
18) Shape leg folding sides in. 19) Fold other leg same way



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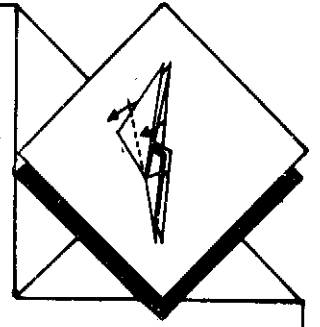
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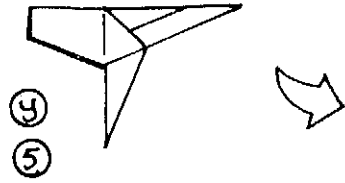


Horse Rear Section मागील भाग

बर्डबेस तयार करा.

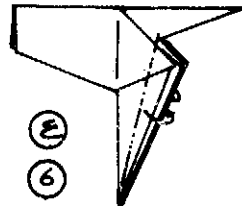
- १) मधल्या घडीचा मध्य काढून वरील घडी मध्यापर्यंत.
- २) दुसरी वरील घडी, घडीच्या मध्यावर.
- ३) मध्यावर घडी.

- 1) Mark centre of middle flap and fold top flap down.



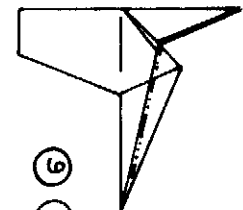
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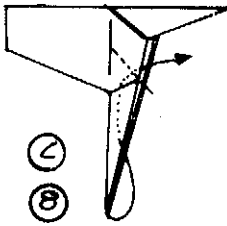


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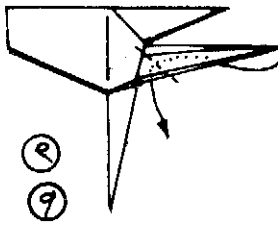
- ४) घडी फिरवून घ्या. घडी दुमडून खूण घ्या.
- ५) इन्साइड रिव्हर्स फोल्ड.
- ६) याचप्रमाणे मागील बाजू.
- ७) पुढील पायाच्या बाजू आत दुमडा.

- 2) Fold second flap to the centre of the fold.
- 3) Fold at the centre.
- 4) Turn the model. Fold and unfold flap.
- 5) Inside reverse fold the flap.



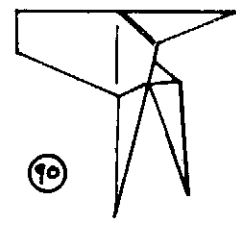
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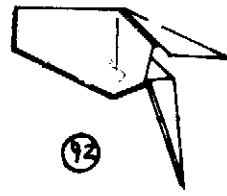
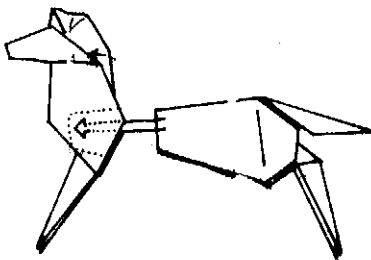


⑩

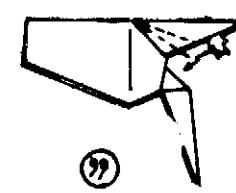
⑩

- ८) मागील बाजू याचप्रमाणे.
- ९) इन्साइड रिव्हर्स फोल्ड.

- 6) Finished figure. Repeat behind.
- 7) Fold in edges of front leg.
- 8) Repeat behind.
- 9) Inside reverse fold leg.



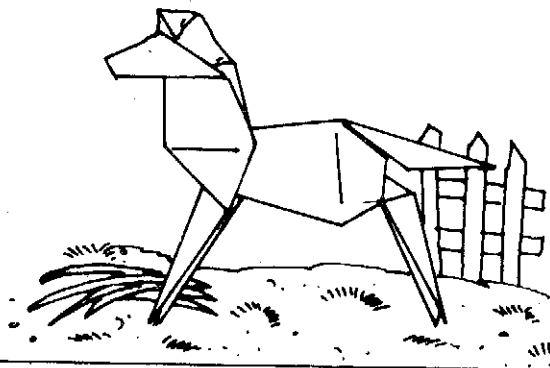
⑫

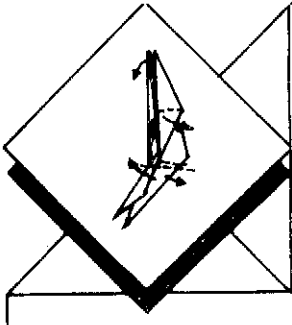


⑬

- १०) पुन्हा इन्साइड रिव्हर्स फोल्ड.
- ११) शेपटीला आकार द्या.
- १२) दोन्ही भाग जोडून घोडा तयार करा.

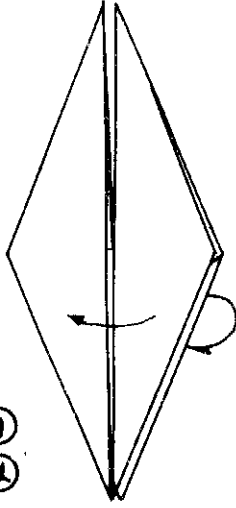
- 10) Refold again. Repeat for other leg.
- 11) Shape tail.
- 12) Join two parts together.



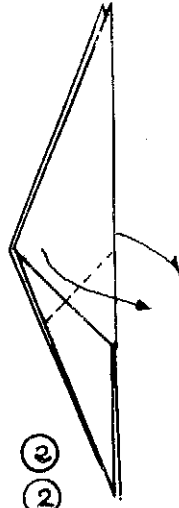


जिराफ Giraffe

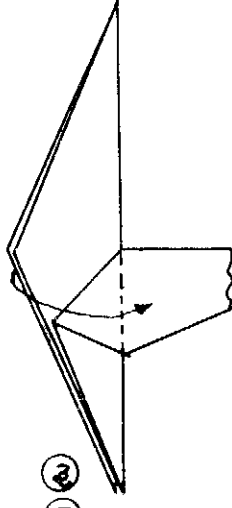
①
1



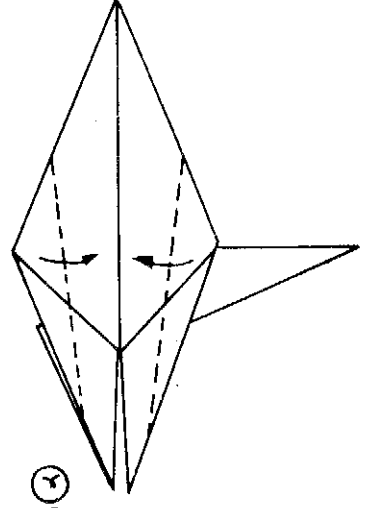
②
2



③
3



④
4



२५ ते ३० सेंमि. चौरस. बर्डबेस तयार करा.

१) उजव्या हातची घडी डाव्या बाजूला घ्या.

हीच कृती मागील बाजूने करा.

२) रिव्हर्स फोल्डने फक्त वरची घडी उजव्या बाजूला घ्या.

३) घडी उघडा. ४) तुटक रेषेवर दोन्ही बाजू दुमडा.

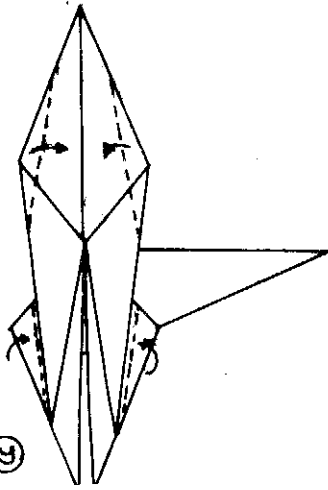
Begin with birdbase 25 to 30 cm. square.

1(Fold front and back right side flaps to left.

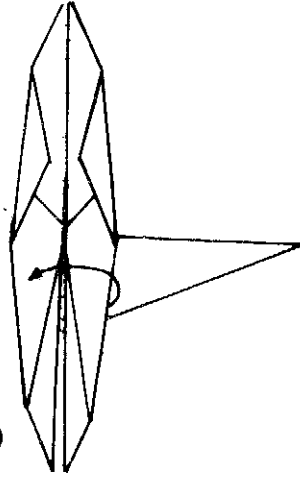
2(Outside reverse fold the top layer only.

3 Openout the fold. 4(Fold on dotted lines

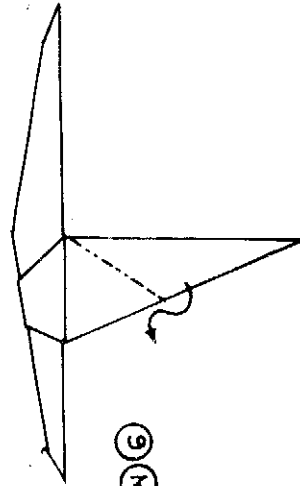
⑤



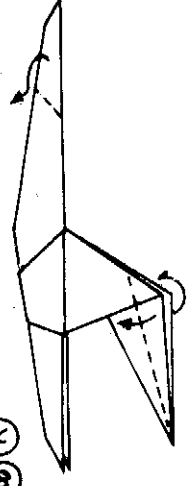
⑥



⑦
7



⑧
8



५) खालील कोपरे आत दुमडा. वरील कोपऱ्याच्या तुटक रेषेवर घड्या घाला.

६) मध्यभागी घडी घाला.

७) उजव्या बाजूची घडी रिव्हर्स फोल्डने घालून दुमडा.

८) बाजू दुमडून मागील पाय बारीक करा.

९) डोक्याला आकार द्या.

5(Tuck in lower flaps and fold top corners.

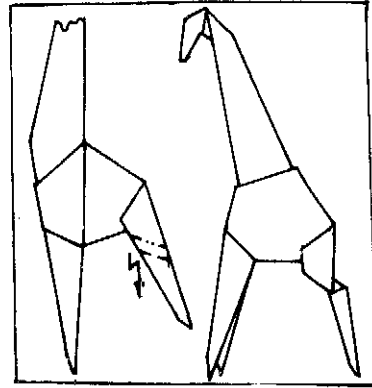
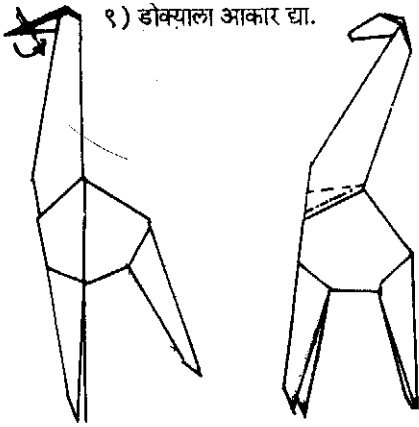
6(Fold at centre.

7(Reverse fold left hand flap.

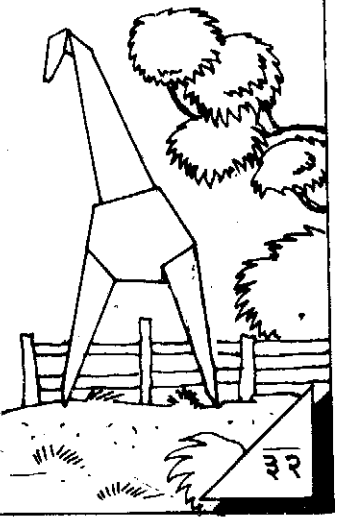
8(Fold edges to shape leg.

Reverse fold top end.

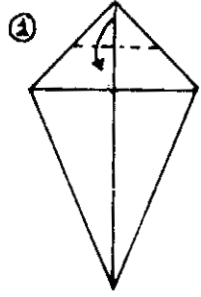
9(Shape head.



★ मध्यभागी कापून मागील पाय दोन होऊ शकतील.



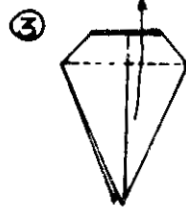
१०) मानेच्या खालच्या भागाला क्रिंप फोल्ड घेऊन मान पुढे झुकेल. 10(Crimp at the bottom of neck to give forward bent.



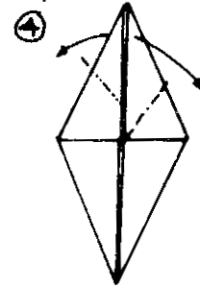
- १) वरचे टोक रेषेपर्यंत दुमडून पुन्हा उलगडा.
1) Fold and unfold the top point.



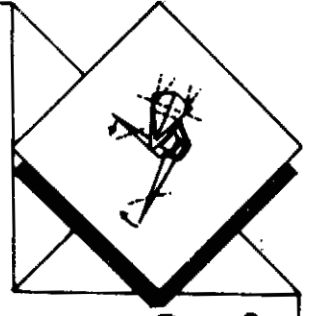
- २) बेस सिक करा. (पान ५)
2) Sink in the top point. (page 5)



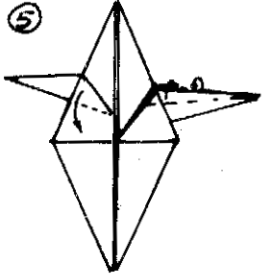
- ३) पुढील बाजू वर घ्या.
3) Lift up the front flap.



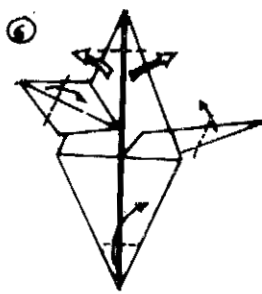
- ४) तुटक रेषेवर दोन बाजू इन्साइड रिव्हर्स फोल्डने दुमडा.
4) Inside reverse fold the top points on dotted lines.



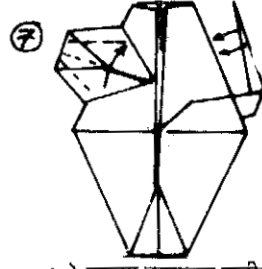
किटली Kettle



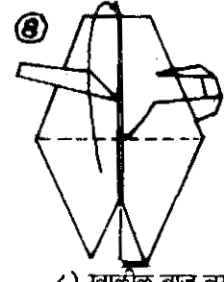
- ५) उजव्या हातच्या घडीच्या बाजू आत दुमडा.
5) Fold into the sides of the right hand fold.



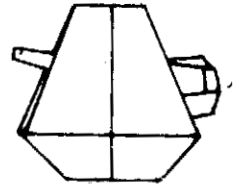
- ६) डाव्या हातच्या घडीचे टोक दुमडा.
6) Fold the tip of the left hand side.



- ७) डाव्या हातच्या घडीच्या बाजू दुमडून घडी बंद करा.
7) Fold side of left hand fold to give shape and close the fold.



- ८) खालील बाजू वर घेऊन टोक मागील घडीत गुतवा.
8) Lift up the bottom flap and insert the tip as shown.



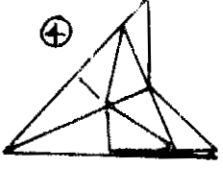
- १) कागदाची वॉटरबॉम्ब घडी घाला.
डावीकडील घडी उजव्या बाजूला घ्या.
1) Begin with water bomb
Fold left flap to right hand.



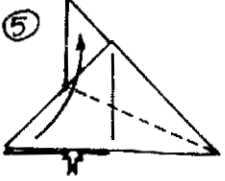
- २) बाजूला बाजू जुळवून मध्याची खुण घ्या.
2) Fold and unfold side to side and crease centre.



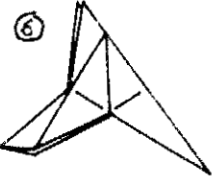
- ३) खालील वरची बाजू वरच्या बाजूला जुळवून कोपरा स्क्वॅश करून घडी बसवा.
3) Lift up the bottom side.



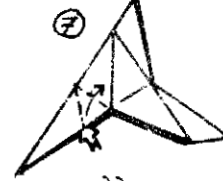
पंख हलविणारे कबुतर Flapping Pigeon



- ५) वरीलप्रमाणेच घडी घाला.
5) Repeat same on other side.



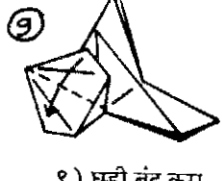
- ६) तयार घडी.
6) Resulting fold.



- ७) तुटक रेषेवर दुमडून घडी आतून उलगडा.
7) Fold left hand end and open out fold.



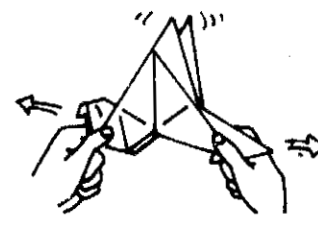
- ८) खालील कोपरा दाबून घडी बंद करा.
8) Open the fold squash at the bottom.

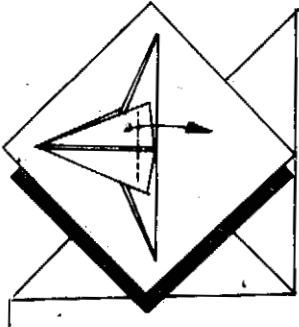


- ९) घडी बंद करा.
9) Fold again.

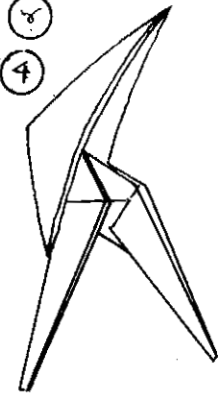


- १०) चोचीला आकार द्या. पंख हलवून पाहा.
10) Shape beak.
Enjoy flapping action.





कोल्हा

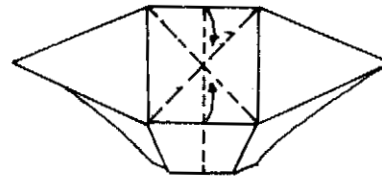
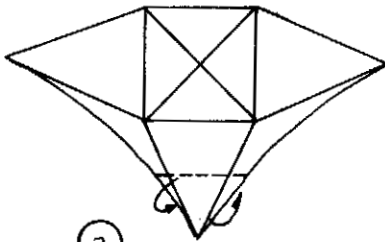
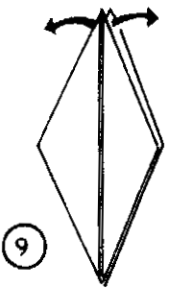
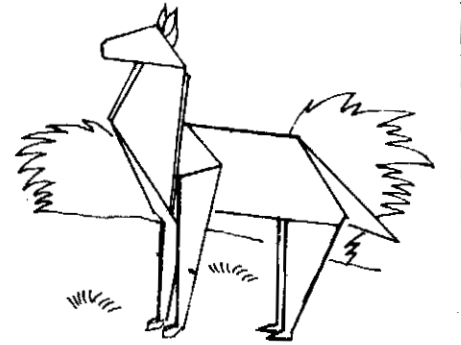
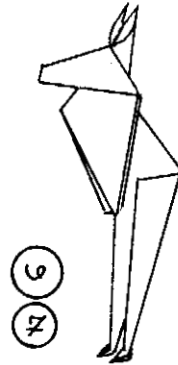
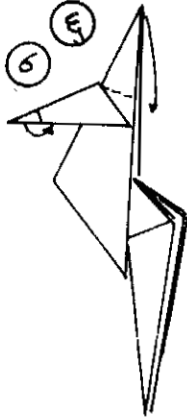
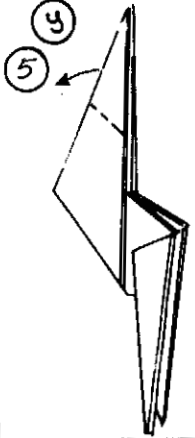


१५×१५ सें.मी. चे दोन चौकोन घ्या. बर्डबेस तयार करा. डोक्याचा भाग खालील टोके रिव्हर्स फोल्डने वर घ्या. पुढून व मागून वर घेतलेल्या घडीच्या बाजू दुमडा. वरील घडी मध्य रेषेपर्यंत दुमडा. घडीला मध्यावर घडी घालताना टोक वर उचला. डोक्याचा आकार तयार करा.

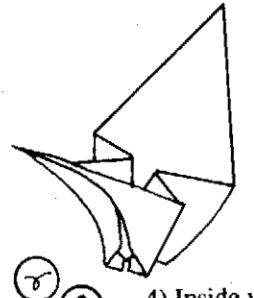
Use two squares of brown paper fold bird base.

Head section :

Left up bottom points up to left and right. Fold sides from front and back side. Fold top flap to central line. Fold model at the centre. Lift top point up. Shape head.



३) पुढील व मागील खालचे कोपरे आत दुमडा.
Tuck in the bottom sides.



4) Inside view.

परडी

आकर्षक कागदाचा चौरस

१) बर्डबेस करून घ्या.

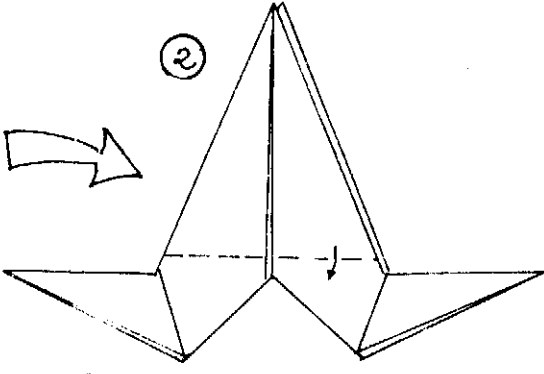
२) दोन टोके चिमटीने धरून दोन्ही बाजूंना ओढा.

1) Begin with bird base

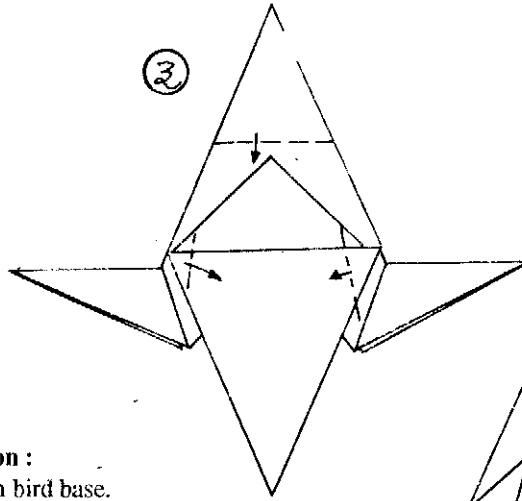
2) Hold two ends in finger tips and pull out on both sides.

आतील घड्या मध्यावर घ्या.

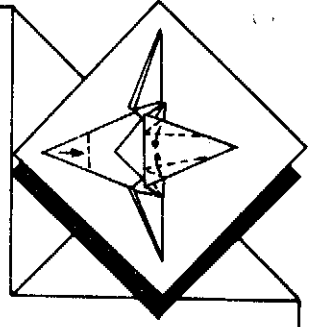
3) Fold lower corner in on dotted line. Repeat behind.



२



३



Fox

४

मागील भाग

१) बर्डबेस तयार करा.

२) पुढील भागाप्रमाणे खालील टोके वर घ्या.
वरची पुढील घडी खाली घ्या.

३) कोपरे दुमडा

४) तयार घडी मध्यभागी दुमडा.

पाय व शेपटीला आकार द्या.

दोन्ही भाग जुळवून चिकटवा.

Rear section :

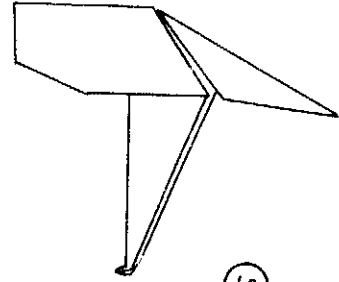
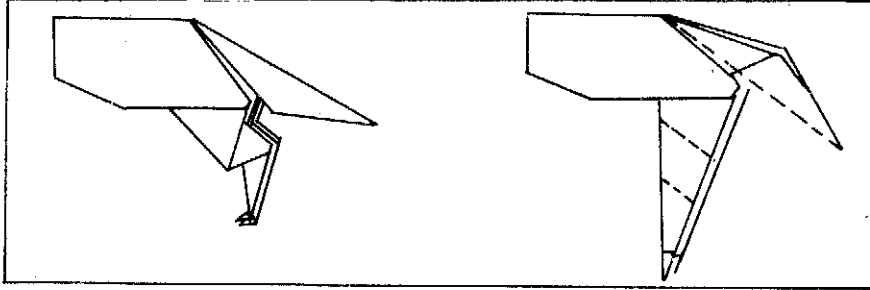
1) Begin with bird base.

2) Lift up bottom points as head section.

3) Fold corners and top flap.

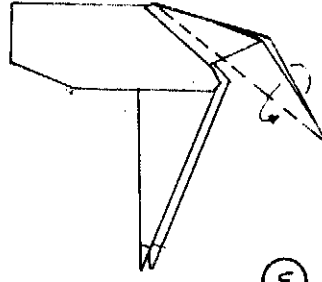
4) Fold model at the centre.

Shape legs and tail. Join two parts together.



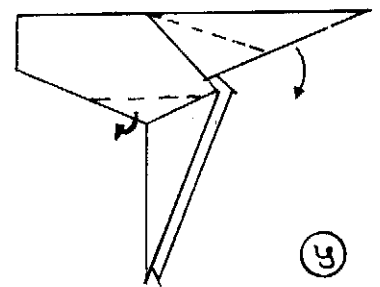
६

७



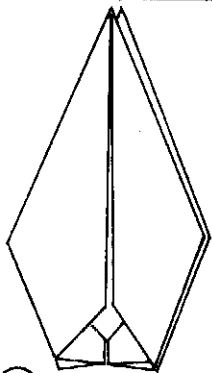
७

८

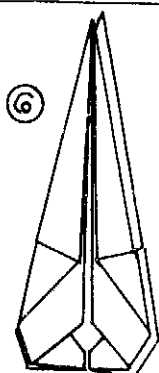


८

९



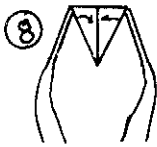
९



१०



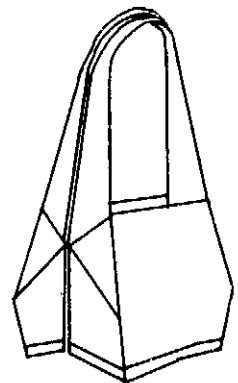
११



१२



१३



७) एका बाजूचे वरील टोक आत दुमडा.
Fold one upper tip inside

६) बाजू पुढून मागून मध्यापर्यंत दुमडा.

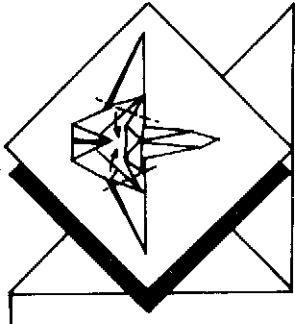
5) Fold sides to the centre. Repeat behind.

दुसऱ्या बाजूचे वरील टोक पहिल्या घडीच्या टोकाच्या
आत अडकवून जरूर तर चिकटवा.

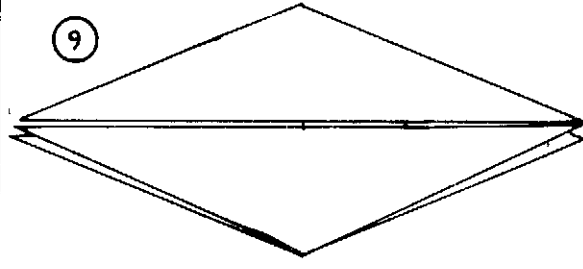
7) Tuck in the upper tip of the other side

8) Shape the model.

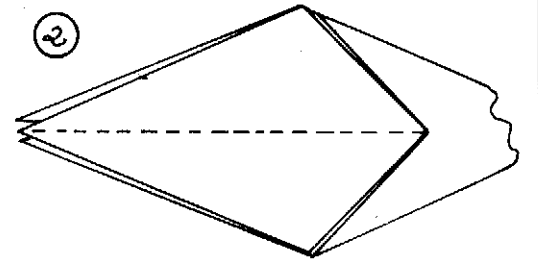
Flower Basket



१



२

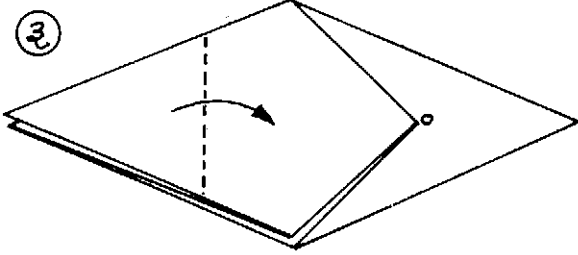


मोर

- १) कागद मोरपंखी २० ते ३० सें.मी. चौरस
२) बर्डबेस करा. बाणाच्या दिशेने बाजूची घडी दुमडा.

- 1) Begin with the bird base
2) Fold side

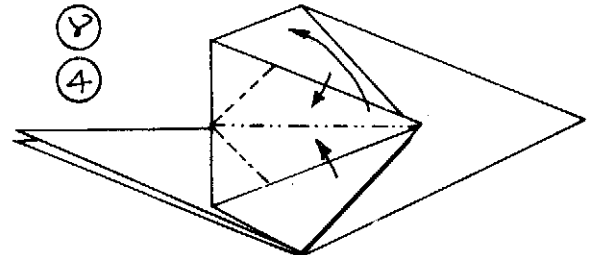
३



- ३) खुणेपर्यंत घडीचे वरील टोक घ्या.
3) Fold tip to the mark

४

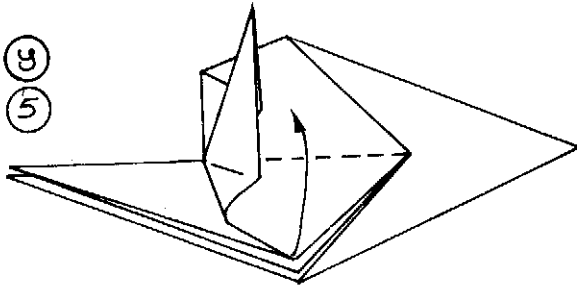
४



- 4) Lift up central part to fold legs.
४) पाय करण्यासाठी मध्य भाग विमटून घडी करून वर उचला.

५

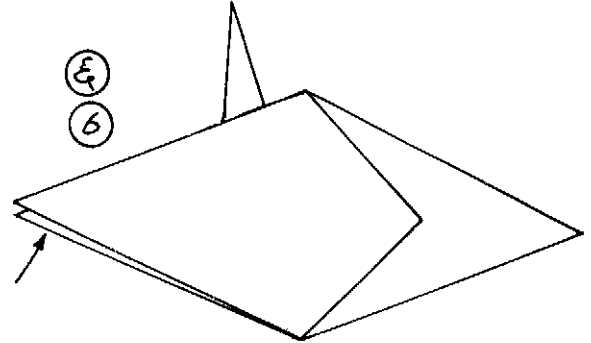
५



- ५) उजव्या बाजूला घडी दुमडा.
Fold to right.

६

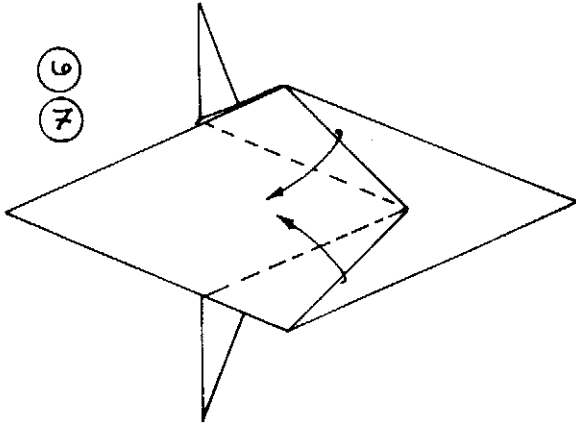
६



- ६) याचप्रमाणे दुसरी घडी घालून डावीकडे घ्या.
Repeat the same for other leg.

७

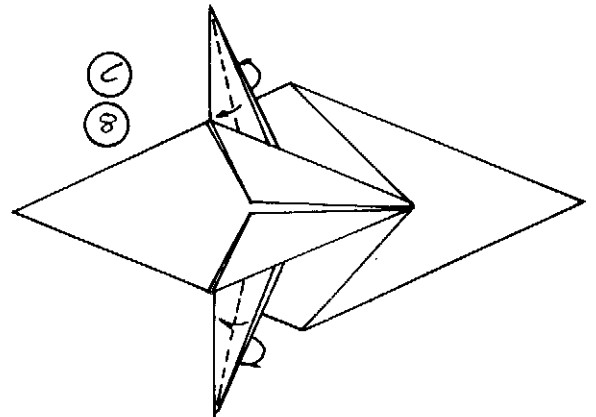
७



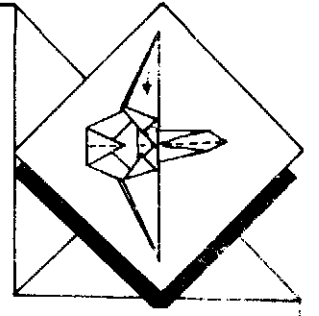
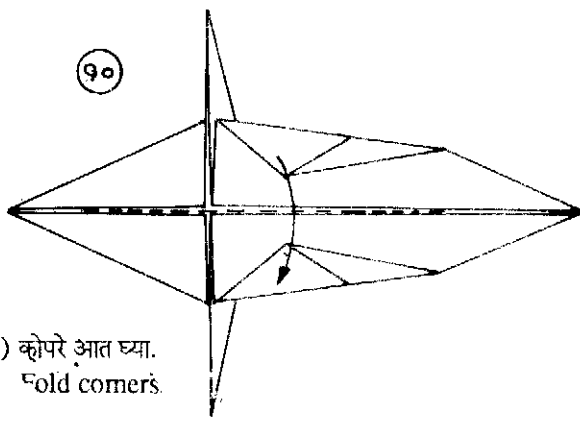
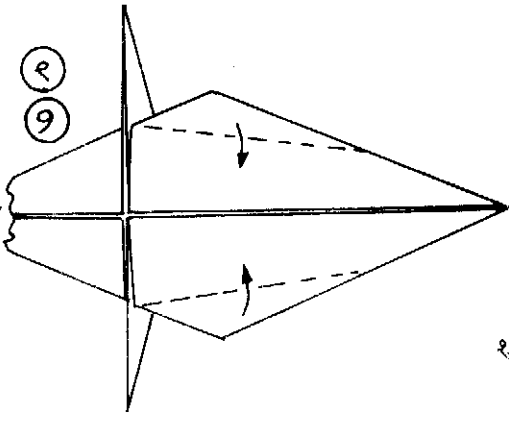
- ७) बाणाच्या दिशेने बाजू मध्यापर्यंत दुमडा.
Fold sides to the centre.

८

८

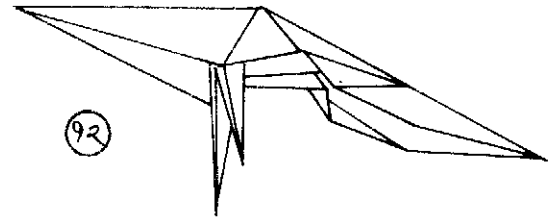
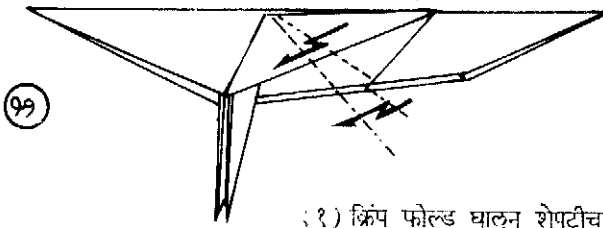


- ८) पायाच्या घडीच्या बाजू दुमडून पाय बारीक करा.
संपूर्ण घडी उलटी करा.
Fold sides of the legs.
Turn the model.

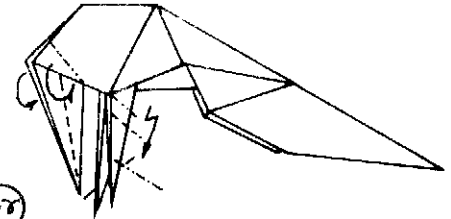
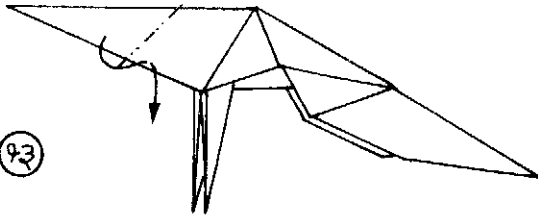


१०) कोपरे आत घ्या.
Fold corners.

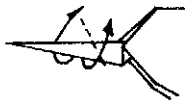
Peacock



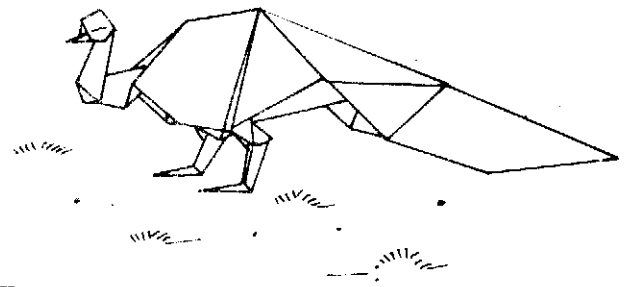
११) क्रिंप फोल्ड घालून शेपटीचा भाग खाला घ्या.
Crimp fold as shown.

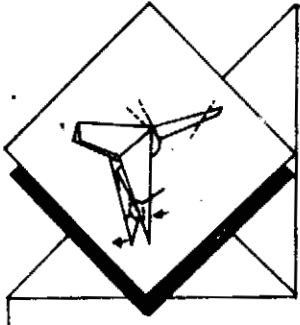


पुढील टोक रिव्हर्स फोल्डने खाली घ्या मानेला व पायांना आकार द्या.



Inside reverse fold the front end to shape neck,
shape neck and legs.

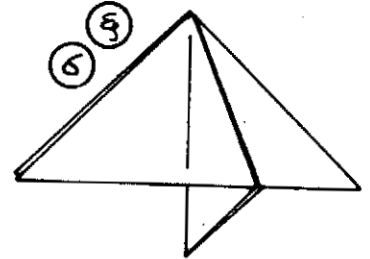
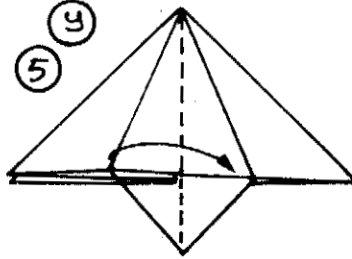
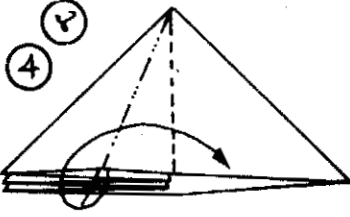
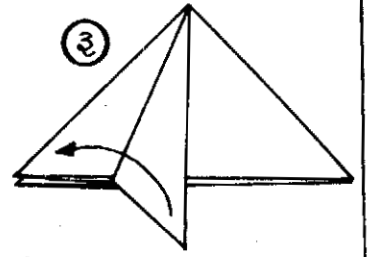
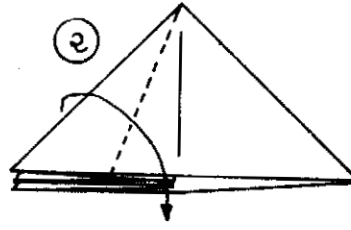
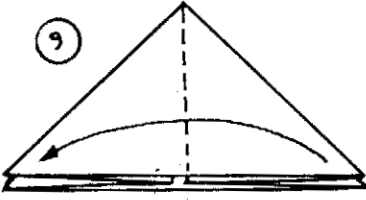




कुसुडामा

तीन-चार रंगाचे पोस्टर पेपर घेऊन त्याचे ६० चौरस घ्यावे. रंग वर ठेवून फुग्याची घडी घालावी. बाजू मध्य रेषेपर्यंत दुमडून उलगडून घ्यावी.

Use 3-4 colours. 60 squares of 12x12 cms. Begin with waterbomb base. 1) Fold to the left. 2) Fold the upper layer up to the line. 3) Unfold.

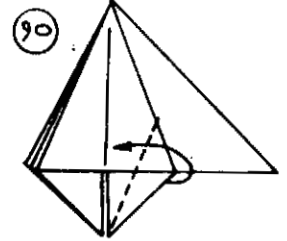
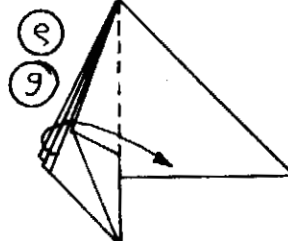
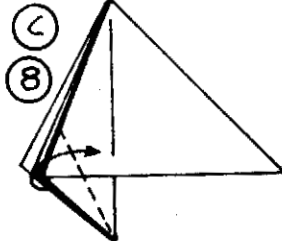
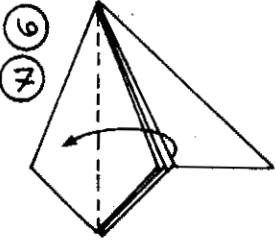


मधून मोकळा करून मध्यभागात घेऊन दाबावी. घडी घालून बाजूला घ्यावी.

4) Open the inside and squash.

5) Fold to the right.

6) Fold other two flaps in the same way.



तीन बाजूच्या धड्या घालून डावीकडे घ्याव्या.

कोपरा मध्यापर्यंत दुमडून घडी उजव्या बाजूला घ्यावी.

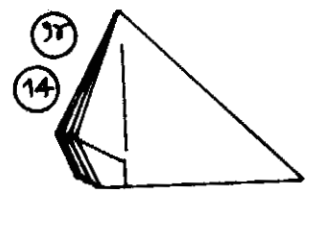
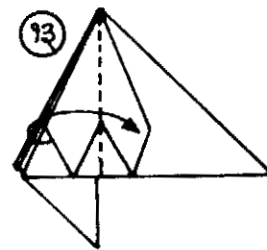
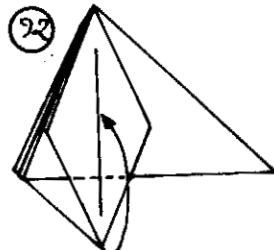
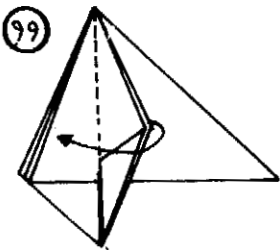
कोपरा दुमडावा.

7) Fold all to the left.

8) Fold up to the line.

9) Fold only two layers to the right.

10) Fold up to the line.

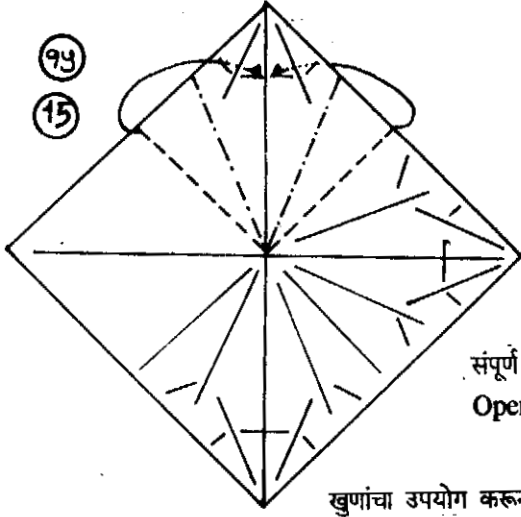


घडी उघडून टोक वर दुमडावे. याप्रमाणे तीन बाजूच्या धड्या घालाव्या.

11) Fold only the upper layer to the left.

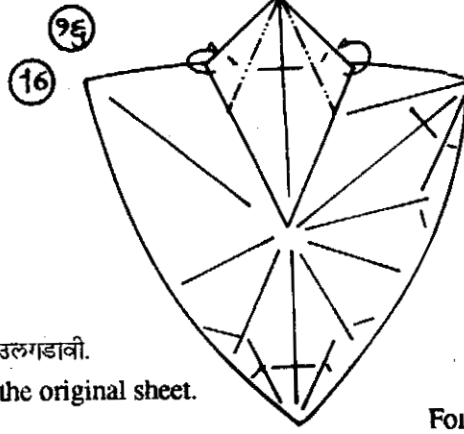
12) Fold the point upward.

13) Fold the other point upward.



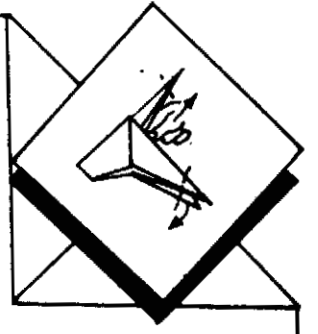
१५
१५

संपूर्ण घडो उलगडावी.
Open to the original sheet.



१६
१६

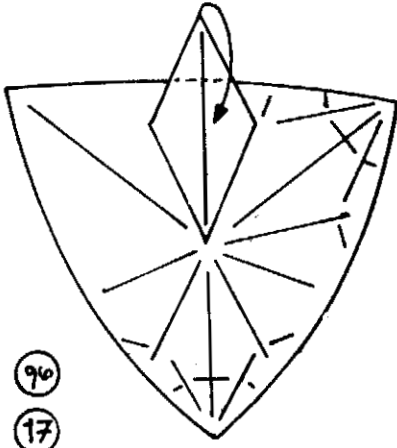
Fold backward.



Kusudama

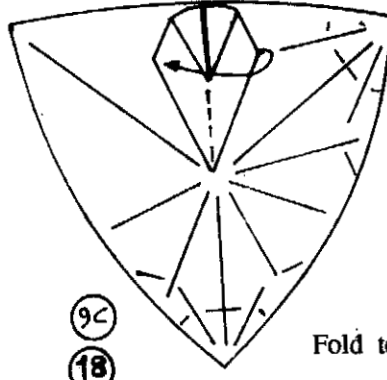
खुणांचा उपयोग करून घड्यामागे घ्याव्या. वरील कोपरे दुमडावे.

15) Fold the marked parts backward so that the edges meet on the center line.



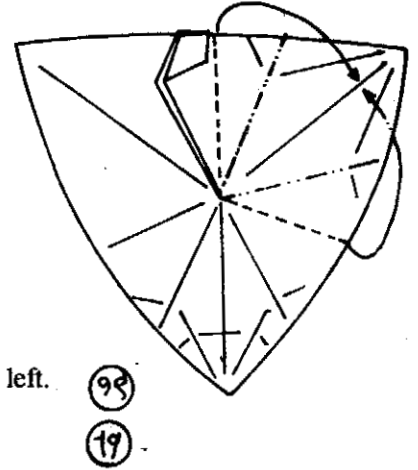
१७
१७

टोक खाली घ्यावे. तीन बाजू दुमडून पाकळी तयार होईल.



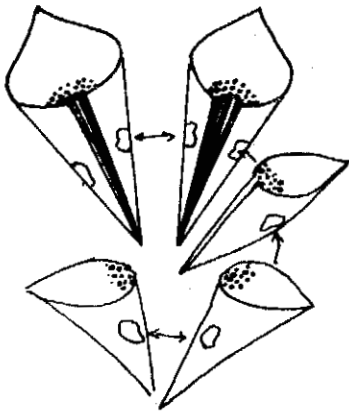
१८
१८

Fold to the left.

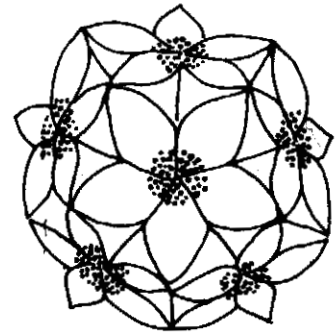
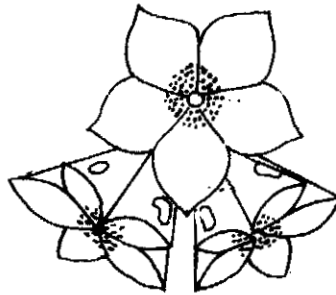


१९
१९

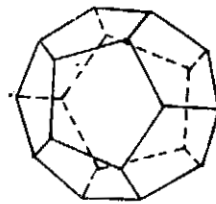
18) Fold the other corners except the corner marked.

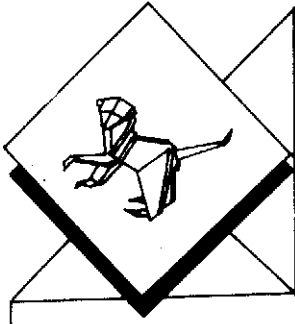


पांच पाकळ्या एकाला एक चिकटवून फूल तयार करावे.

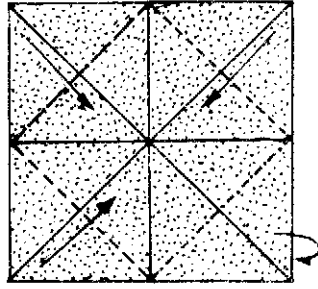


एकूण १२ फुले करून आकृती पाहून जोडावी.

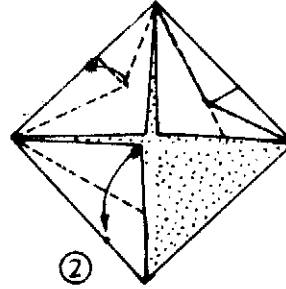




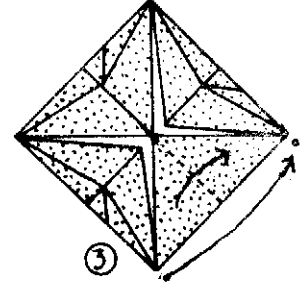
①



②



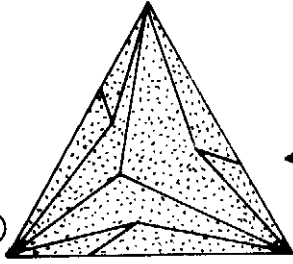
③



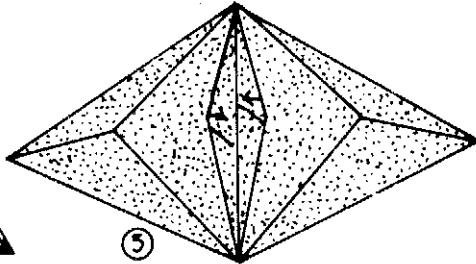
कुसुडामा

Kusudama

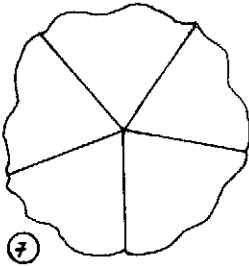
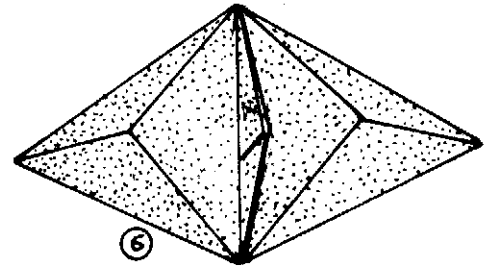
④



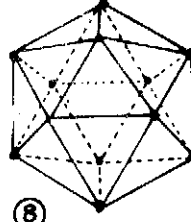
⑤



⑥

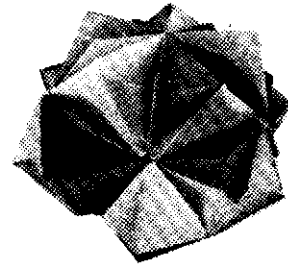


⑦



⑧

⑨



रंगीत कागद १४x१४ सें.मी. एकूण वेगवेगळ्या रंगांचे २० कागद घ्यावे.

- १) रंग वर ठेवून तीन कोपरे पुढून मध्यबिंदूपर्यंत दुमडा. १ कोपरा मागे दुमडा.
 - २) त्रिकोनाची बाजू कडेच्या बाजूपर्यंत दुमडा. राहिलेली दूसरी बाजू याचप्रमाणे दुमडा. याप्रमाणे तीनही बाजू.
 - ३) कोपऱ्याला कोपरा जुळवून चिकटवा.
 - ४) तयार त्रिकोनाकृती
 - ५) दोन त्रिकोनाकृती एकाला एक चिकटवा. याप्रमाणे पाच एकत्रित चिकटवा.
- प्रत्येक कोपऱ्याला पांचच त्रिकोनाकृती आहेत असे पाहून चिकटवत जा. गोलाकृती तयार होईल.

Cut 20 squares of different colour, 14x14 c.m.

- 1) Keep colour side up crease centres. Fold three corners to centre from front side and fold one corner back.
- 2) Fold edge of triangle to side twice. Repeat to other two corners.
- 3) Join two corners and glue to form triangular shape.
- 4) Finished shape.
- 5) Join five shapes together. Always see that every corner is with five triangles.